

We hereby certify that this product complies with EU regulation (EU) 2020/2081 on tattoos and permanent make-up, based on EU Regulation (EC) 1907/2006 and (EC) 528/2012 in combination with (EC) 1223/2009.

The information provided by our raw materials suppliers, checked through 3rd party lab testing, and can confirm all our inks are in full compliance with the REACH Resolution 1907/2006, as amended (including Commission Regulation (EU) 2020/2081), nor do they contain any Substances of Very High Concern (SVHC) in concentrations above 0.1% by weight, are not classified as a hazardous material under CLP (EC 1272/2008/EC), and are in full compliance with BPR (EC 528/2012/EC).

## **Pigments List:\***

B&G Mix - 16022 • Brunete - 16021 • Dark Black - 16016 • Dark Brown - 16040 • Gray - 16019 • Light Brown - 16001 • Medium Black - 16017 • Olive Green - 15055b • Pure Black - 16020 • Havana - S570 • Madrid - S575 • Miami - S571 • Milano - S572 • Moscow - S573 • New York - S577 • Paris - S574 • St-Tropez - S578 • Vienna - S576 • Antique Pink - 15061 • Chewing-Gum Pink - 15058 • Cinderella - 15035 • Earth Pink - 15030 • Kisses - 15100 • Louise - 15053 • Plum - 15019 • Red Cherry - 15018 • Reddish Brown - 15031 • Rose - 15027 • Salmon - 15057 • Tropicana - 15022 • Tuscany - 15029 • Violet Red - 15041 • Wine Red - 15048 • Black - 14016 • Green - 14006 • Navy - 14010 • Purple - 14012 • Triple Black - 14017 • Turquoise - 14019 • White - 14015 • Acapulco - 15051 • Brazil - 15040 • Brown - 15002 • Brown To Blond - 15037 • Copper Brown - 15005 • Dark Coffee - 15043 • Espresso - 15049 • Golden Brown - 15004 • Hawaii - 15007 • Kiwi - 15006 • Light Brown - 15003 • Mud - 15099 • Sand - 15200 • Taipei - 15047 • Walnut - 15001 • Beige - 15050 • Bright Beige - 15016 • Natural Pink - 15062 • Olive Green - 15055 • Yellow Beige - 15060 • Amber - 18010 • Bordeaux - 18003 • Caramel - 18004 • Chocolate - 18011 • Cinnamon - 18009 • Flesh - 18000 • Light Pink - 18007 • Maple - 18008 • Skin - 18006 • Taupe - 18005 • White - 18001 • Aphrodite - A1028 • Mona Lisa - A1027 • Monet - A1013 • Venus - A1026 • Gaudi - A0139 • Gauguin - A0516 • Picasso - A0513 • Salvador - A0141 • Shagal - A0144 • Van Gogh - A0527 • Matisse - A0147 • Degas - A0146 • Renoir - A0517 • Adele - A0428 • Juliet - A0006 • Pandora - A0528 • Aurora - A0002 • Athena - A0525 • Gaia - A0424 • Ophelia - A0523 • Cocoa - 18002

\*Solvent Contains: Distillited Water, Glycerol, Ethanol, Propanol.

[www.npm-int.com](http://www.npm-int.com)

Main Branch Moshe Goshen Ave 6, Kiryat Motzkin +972-4-8702206

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## List of Item Specifications

<b>Product</b>	1798
<b>Product description</b>	COVARINE YELLOW WN 1798
<b>Shelf life days</b>	2 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Appearance	VISCOUS LIQUID	VISCOUS LIQUID	10-010
Color	YELLOW	YELLOW	10-021
Odour	CHARACTERISTIC	CHARACTERISTIC	10-022
Viscosity - 25°C (cps)	30000	80000	10-032
Dispersion full shade	Passed	Passed	10-127
Reduced shade	Passed	Passed	10-127C
Antimony (ppm)	0	2	10-210
Arsenic (ppm)	0	3.0	10-213
Barium (ppm)	0	5	10-210
Cadmium (ppm)	0	1.0	10-210
Chromium (ppm)	0	20	10-210
Cobalt (ppm)	0	15	10-210
Copper (ppm)	0	10	10-210
Lead (ppm)	0	10	10-210
Mercury (ppm)	0	.5	10-213
Nickel (ppm)	0	10	10-210
Selenium (ppm)	0	10.0	10-210
Zinc (ppm)	0	20	10-210
Microbiology (pathogens free)	Passed	Passed	10-123
Microbiology (<100 UFC/g)	Passed	Passed	10-123

## COVARINE YELLOW WN 1798

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Created By      Brac De La Perriere, Camille -France      Checked by      Lemetais, Aurelie -France Date      8/17/2021

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valide.

**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: 1798

Product Name: COVARINE YELLOW WN 1798

**E Number:** Not Applicable

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799
India	R3, TTC Industrial Area, Off Thane Belapur Road, Rabale, Navi Mumbai 400701. INDIA	Ms. Amruta Raipurkar	Amruta.Raipurkar@sensient.com	00 91 22 2760 8801

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

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**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.

## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;

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## Informations Réglementaires / Regulatory Information

### **Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

### **Code of Federal Regulations (CFR) Title 21**

Nous certifions que la matière première en référence ne contient aucune substance qui soit prohibée dans le 21 CFR Part 700 en vigueur. Ces informations sont basées sur nos connaissances actuelles.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above raw material does not contain any prohibited substance listed in the current 21 CFR Part 700. This information is based on our current knowledge.

This information is based on our current knowledge.



## **Autres conformités / Other Certificates and Information**

### **Religious Status**

#### **Kosher:**

The product is eligible for Kosher certification.

#### **Carmines:**

This product does not contain Carmines.

#### **Halal:**

The product is eligible for Halal certification.

### **Dietary Status**

#### **Vegan Statement**

This product is Suitable for vegans.

A clarification step is used during the manufacturing process of xanthan gum. An enzyme is involved. The enzyme is obtained by fermentation and does not originate from eggs or any other products from animal source.

### **GMO Status**

#### **GMO Statement**

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### **Huile de palme / Palm Oil Status**

Does not contain palm oil or palm oil derivatives

### **BSE/TSE**

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.

## Naturalness

According to our interpretation of the ISO 16128 standard, parts 1 and 2, the Natural Content and Natural Origin Content of the material in reference are the following. Calculations were made according to guidelines issued by French professional associations (INGRECOS, FEBEA) in the draft report submitted to ISO and including formulation water. This information is based on our current knowledge.

### Naturalité / Naturality

Type	Index
Contenu Naturel / Natural Content (norme/norm ISO 16128)	20.3%
Contenu d'origine naturel / Natural Derived Content (norme/norm ISO 16128)	100.0%

### Origine / Origin

Description	Source	Species	Part	* Country of Origin	Type
CI 77492 [Iron Oxides]	Mineral, Synthetic	-	-	-	-
Glycerin	Plant, Synthetic	Rape	Seed	Europe	-
Aqua [Water]		-	-	-	-
Xanthan Gum	Plant, Fermentation, Microbial	Maize, Sugar beet	-	Europe	-
Sodium Citrate	Plant, Fermentation	Maize, Sugar Beet	-	Europe	-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. / Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.

## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1.000 ppm
Lead	10.000 ppm
Arsenic	3.000 ppm
Mercury	0.5 ppm
Cobalt	15.000 ppm
Nickel	10.000 ppm
Selenium	10.000 ppm
Antimony	2.000 ppm
Barium	5.000 ppm
Copper	10.000 ppm
Chromium	20.000 ppm
Zinc	20.000 ppm

### Residual Solvent - Class 1

#### Class 1 Solvents Qty (Max)

None

### Residual Solvent - Class 2

Class 2 Solvents	Qty (Max)	Comment
Methanol	150 ppm	

### Residual Solvent - Class 3

Class 3 Solvents	Qty (Max)	Comment
2-Propanol	5 ppm	

### Residual Solvent - Non-classified

#### Solvents Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
	0.000 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phtalate	85-68-7	0 ppm	Absent
DEHP	Bis (2-Ethylhexyl) Phtalate	117-81-7	0 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phtalate	117-82-8	0 ppm	Absent
DBP	Dibutyl Phtalate	84-74-2	0 ppm	Absent
DNOP	Di-n-Octyl Phtalate	117-84-0	0 ppm	Absent

DPP	Di-n-Pentyl Phtalate	131-16-8	0 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyle)	111-96-6	0 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11 tetraoxadodecane	112-49-2	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Traces, sous-produits et impuretés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
PAH	0.010 ppm	Present
Asbestos	0 ppm	Not applicable
Free amines	0 ppm	Not applicable
Diethanolamine	0 ppm	Not applicable
Diethylene Glycol	300.000 ppm	Present
Formaldehyde	0 ppm	Not applicable
Crystalline silica	0 ppm	Not applicable
Nitrosamines	0 ppm	Not applicable
Nonylphenol, Nonoxynol	0 ppm	Not applicable
Ethylene oxide	0.000 ppm	Not applicable
Propylene oxide	0 ppm	Not applicable
Sulfites	0 ppm	Not applicable
Triethanolamine	0 ppm	Not applicable
1,4 - Dioxane	0.000 ppm	Not applicable
D4	0 ppm	Not applicable
D5	0 ppm	Not applicable
D6	0 ppm	Not applicable
Tin	5.000 ppm	Present
Tungsten	5.000 ppm	Present

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Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1.000 ppm
Lead	< 10.000 ppm
Arsenic	< 3.000 ppm
Mercury	< 0.5 ppm
Cobalt	< 15.000 ppm
Nickel	< 10.000 ppm
Selenium	< 10.000 ppm
Antimony	< 2.000 ppm
Barium	< 5.000 ppm
Copper	< 10.000 ppm
Chromium	< 20.000 ppm
Zinc	< 20.000 ppm

Substances(s) listées dans la Proposition 65: Methanol < 150 ppm  
Ces informations sont basées sur nos connaissances actuelles

Substances(s) listed on Proposition 65: Methanol < 150 ppm  
This information is based on our current knowledge.

## Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)

### Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations

La matière première en référence contient des traces techniquement inévitables des substances ci-dessous classées comme Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

The above material contains technically unavoidable traces of below listed substances classified as Volatile Organic Compounds according to regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates.

### Règlement suisse / Swiss Regulation

La matière première en référence contient des traces techniquement inévitables des substances suivantes, classées comme Composés Organiques Volatils et concernées à ce jour par les dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour. Les exemptions de taxe d'incitation sont indiquées dans la colonne "Swiss VOC - Taxe d'incitation".

The above material contains technically unavoidable traces of the below substances, classified as Volatile Organic Compounds and today concerned by the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates. All incentive tax exemptions are marked in the "Swiss VOC - Incentive tax" column

INCI Name	CAS	VOC Content, ppm	California VOC	Swiss VOC / tax
Methanol	67-56-1	150.0000	Yes	Yes
2-Propanol	67-63-0	5.0000	Yes	Yes
Diethylene Glycol	111-46-6	300.0000	Yes	No



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## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

Basé sur les résultats de la littérature / According to data published in literature

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 2000.00000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### List of Eco-Toxicological properties of the product

No data available

Toxicological information:

Refer to the MSDS

**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 730

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Storage temperature: 5-30°C

**Tariff Code:** 320649

**Notes:**

Not Available

## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australasia)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed - 51274-00-1	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed - 56-81-5	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed - 7732-18-5	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed - 11138-66-2	Listed	Listed
Sodium Citrate	68-04-2	Listed	Listed	Listed - 68-04-2	Listed	Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed	Listed
Sodium Citrate	68-04-2	Listed	Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77492 [Iron Oxides]	51274-00-1	Listed - Annex IV, Entry 136	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics.	Not Listed - 2019
Glycerin	56-81-5	Not Listed - Allowed in all cosmetics.	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics.	Listed - 2019
Aqua [Water]	7732-18-5	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Xanthan Gum	11138-66-2	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Sodium Citrate	68-04-2	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

### **Certificat CITES / CITES Statement**

Nous certifions que la matiere en référence ne contient pas d'ingrédient dérivé d'espèce presente sur les listes de la convention CITES.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain any ingredients derived from a species on the CITES listing

This information is based on our current knowledge.

## **Traces CMR / CMR Traces**

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

### **CMR Ingredients**

**Not Available**

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.

## **Pesticides (Food Regulation)**

Nous certifions que la matière en référence, issue du végétal, est en conformité avec le règlement (CE) n°396/2005 et ses adaptations, fixant les limites maximales applicables aux résidus de pesticides présents dans ou sur les denrées alimentaires et les aliments pour animaux, d'origines végétale et animale.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that our material in reference, from vegetal origin, complies with Regulation (EC) No. 396/2005 and its amendments regarding the maximum residue levels of pesticides in or on food and feed of plant and animal origin.

This information is based on our current knowledge.

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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.



## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelqu'en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation depuis la date ci-dessous.

Des tests sur animaux ont ou peuvent uniquement être réalisés après la date ci-dessous dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

Date du dernier test sur animaux (Sensient Cosmetic Technologies) : December 31, 1990

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since the date below.

Animal testing has or can only be conducted after the date below within the context of Sensient Cosmetic Technologies obligations for REACH.

Date of the latest animal testing (Sensient Cosmetic Technologies): December 31, 1990

## **Certificat Gluten / Gluten Statement**

Nous certifions que le produit mentionné ci-dessus ne contient pas de traces de gluten.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain gluten.

This information is based on our current knowledge.

### **Nagoya (before 2014/10/12)**

Nous certifions que le(s) Plante(s), servant à fabriquer le(s) ingrédient(s) entrant dans la matière en référence, n'est (ne sont) pas concernée(s) par le Protocole de Nagoya. En effet, aucune activité de recherche et de développement sur la composition génétique et/ou biochimique de ressources génétiques n'a été réalisée après le 12 Octobre 2014.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the Plant(s) which is/are used for manufacturing the ingredient(s) present in the material in reference is/are not affected by the Nagoya Protocol. Indeed, no research and development on the genetic and/or biochemical composition of genetic resources have been conducted after October 12th, 2014.

This information is based on our current knowledge.

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## Safety Data Sheet

### Covarine Yellow Wn 1798

Safety Data Sheet dated: 21 December 2022 - version 3

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: Covarine Yellow Wn 1798

Trade code: 1798

Registration Number See Paragraph 3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

---

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not determined

### 3.2. Mixtures

Mixture identification: Covarine Yellow Wn 1798

#### Nanoforms characteristics:

Names of (Sets of) nanoform(s): Iron hydroxide oxide yellow

Particle size distribution: D50:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Iron hydroxide oxide yellow) - (Counted SEM)  
Mean:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Iron hydroxide oxide yellow) - (Counted SEM)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not determined

### 4.3. Indication of any immediate medical attention and special treatment needed

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Storage temperature: 5-30°C

Industrial sector specific solutions:

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Liquid

Odour: Characteristic

pH: 7.00

Kinematic viscosity: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not Established

Upper/lower flammability or explosive limits: Not determined

Vapour density: Not determined

Vapour pressure: Not determined

Relative density: Not determined

Solubility in water: Dispersible

Solubility in oil: Not miscible

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: For more information, please refer to our Particle Size Statement

Nanoforms: Contains at least one nanoform

### 9.2. Other information

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information:

Basé sur les résultats de la littérature / According to data published in literature

#### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 2000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

#### 11.2 Information on other hazards

##### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

### 12.2. Persistence and degradability

Not Available

### 12.3. Bioaccumulative potential

Not Available

### 12.4. Mobility in soil

Not Available

### 12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration  $\geq 0.1\%$

### 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7 Other adverse effects

Not Available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

German Water Hazard Class Class 1: slightly hazardous for water.



## SECTION 14: Transport information

### 14.1. UN number or ID number

N/A

### 14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

### 14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

### 14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

### 14.5. Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt: No

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

### 14.7. Maritime transport in bulk according to IMO instruments

Not Available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 CLP)  
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

Class 1: slightly hazardous for water.

**Lagerklasse according to TRGS 510:**

LGK 10

SVHC Substances:

None > 0.1%

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In

August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information

PRODUCT CODE: 1798  
 PRODUCT NAME: COVARINE YELLOW WN 1798  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 8/17/2021

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
Glycerin	Glycerol	56-81-5	200-289-5	Exempted (Annex V)	-
Aqua [Water]	Water	7732-18-5	231-791-2	Exempted (Annex IV)	-
Xanthan Gum	Xanthan Gum	11138-66-2	234-394-2	Exempted (Annex V)	-
CI 77492 [Iron Oxides]	Iron Oxide Yellow	51274-00-1	257-098-5	Registered	01-2119457554-33-XXXX
Sodium Citrate	Trisodium citrate	68-04-2	200-675-3	Registered	01-2119457027-40-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: 1798  
 PRODUCT NAME: COVARINE YELLOW WN 1798  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 8/17/2021

### Description du produit / Product Description

Natural water-based dispersion of Unipure Yellow LC188 in a water/glycerin mixture / Dispersion aqueuse et naturelle de l'Unipure Yellow LC188 dans un mélange eau/glycérine.  
 New generation of high purity yellow iron oxide / Nouvelle génération d'oxyde de fer jaune de haute pureté.  
 Ecocert and COSMOS standard compliance / Conformité au standard Ecocert et COSMOS.

### Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

#### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77492	-	51274-00-1	257-098-5	Annex IV	Permitted	E 172	EU-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not Listed	Permitted	-	EU-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not Listed	Permitted	-	EU-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not Listed	Permitted	-	EU-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not Listed	Permitted	-	EU-A	Ingredient

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Iron oxides	-	51274-00-1	257-098-5	73.2250	Exempted	USA-B	Pigment

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## Technical Data Sheet

PRODUCT CODE: 1798  
 PRODUCT NAME: COVARINE YELLOW WN 1798  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 8/17/2021

Glycerin	-	56-81-5	200-289-5	-	-	USA-A	Ingredient
Water	-	7732-18-5	231-791-2	-	-	USA-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	-	-	USA-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	-	-	USA-A	Ingredient

\*When listed, 21 CFR requirements are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - CHINA

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
CI 77492	-	51274-00-1	257-098-5	Annex VI	Compliant	CH-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	CH-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	CH-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	CH-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not listed - Permitted	-	CH-A	Ingredient

\*When compliant, requirements described in the Technical Standard are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	JSQI Tar Color MHLW 31/1966*	Note	Function
Yellow Oxide of Iron	-	51274-00-1	257-098-5	Not listed - Permitted	Yellow Oxide of Iron	JP-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	JP-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	JP-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	JP-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not listed - Permitted	-	JP-A	Ingredient

\*When listed, requirements for the Tar Color are met.

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## Technical Data Sheet

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 DATE: 8/17/2021

"-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of this product and its owns applications.

\*\*This table is not applicable for hair dyes.

## Technical Data Sheet

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### Notes:

EU-A Permitted in all cosmetics.  
 EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 EU-C Permitted in all cosmetics with restrictions as hair dye.  
 EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
 EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
 EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
 EU-G Not permitted.  
 EU-H Permitted as Hair-dye only with restrictions.  
 EU-I Permitted in all cosmetics except as hair dye.  
 EU-J Permitted in all cosmetics with restrictions.  
 EU-K Permitted only for rinse-off products.  
 EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
 USA-A Not regulated, permitted in all cosmetics.  
 USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-C For coloring cosmetics generally.  
 USA-D For coloring externally applied cosmetics.  
 USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
 USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
 USA-J For use in toothpastes at not more than 0.1%.  
 USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
 USA-L Not permitted.  
 USA-M For coloring cosmetics generally; except eye area.  
 USA-N Not permitted as color additive. Permitted as Hair dye.  
 USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
 USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
 USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
 USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
 USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
 CH-A Permitted in all cosmetics.  
 CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Viscous liquid			
Odor			Characteristic			
Color			Yellow			

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 DATE: 8/17/2021

### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
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### Physique / Physical

#### Physical and Sensorial Test

#### Target

Specific gravity (g/cm <sup>3</sup> ) / Masse volumique						1.6 - 2.0
Pigment content / Teneur en pigment						45 - 55%
Fastness to light / Stabilité lumière						Very good / Très bonne
Fastness to alkali / Stabilité alcalis						Very good / Très bonne

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1.000 ppm
Lead	10.000 ppm
Arsenic	3.000 ppm
Mercury	0.5 ppm
Cobalt	15.000 ppm
Nickel	10.000 ppm
Selenium	10.000 ppm
Antimony	2.000 ppm
Barium	5.000 ppm
Copper	10.000 ppm
Chromium	20.000 ppm
Zinc	20.000 ppm

## Propriétés cosmétiques / Cosmetic properties

Ready-to-use dispersion / Dispersion prêt-à-l'emploi  
 Milling free solution / Solution sans broyage  
 Immediate adjustment of shades with simple stirring / Ajustement immédiat des teintes par simple agitation  
 Excellent stability / Excellente stabilité  
 High chemical and microbiological purity / Pureté chimique et microbiologique élevée  
 High compatibility with aqueous cosmetic media / Compatibilité importante avec les milieux cosmétiques aqueux  
 Good performances in natural O/W emulsions and aqueous gels / Bonnes performances dans les émulsions H/E et les gels aqueux naturels.

## Utilisations conseillées / Suggested uses

Skin care / Produits de soins	0.01 - 5%
Sun care products / Produits solaires	0.01 - 5%
Face make-up / Maquillage visage	0.1 - 20%
Lip make-up / Maquillage lèvres	0.1 - 20%
Eye make-up / Maquillage yeux	0.1 - 20%

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DATE: 8/17/2021

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Nail varnish / Vernis à ongles	0.1 - 25%
Soap / Savon	0.1 - 25%
Hair product / Produit capillaire	0.1 - 15%

## List of Item Specifications

<b>Product</b>	3798
<b>Product description</b>	COVARINE RED WN 3798
<b>Shelf life days</b>	2 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Appearance	VISCOUS LIQUID	VISCOUS LIQUID	10-010
Color	RED	RED	10-021
Odour	CHARACTERISTIC	CHARACTERISTIC	10-022
Viscosity - 25°C (cps)	40000	90000	10-032
Dispersion full shade	Passed	Passed	10-127
Reduced shade	Passed	Passed	10-127C
Antimony (ppm)	0	2	10-210
Arsenic (ppm)	0	3.0	10-213
Barium (ppm)	0	5	10-210
Cadmium (ppm)	0	1.0	10-210
Chromium (ppm)	0	20	10-210
Cobalt (ppm)	0	15	10-210
Copper (ppm)	0	10	10-210
Lead (ppm)	0	10	10-210
Mercury (ppm)	0	.5	10-213
Nickel (ppm)	0	10	10-210
Zinc (ppm)	0	20	10-210
Microbiology (pathogens free)	Passed	Passed	10-123
Microbiology (<100 UFC/g)	Passed	Passed	10-123

## COVARINE RED WN 3798

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- Pesticides (Food Regulation)
- Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)
- Non Test sur Animaux / Non Animal Testing
- Certificat Gluten / Gluten Statement
- Nagoya (before 2014/10/12)

Created By Brac De La Perriere, Camille -France

Checked by

Lemetais, Aurelie -France

Date 8/17/2021

Ce document électronique ne nécessite pas de signature pour être

This electronic document does not need a signature to be valid.

Product code: 3798

Print date: 27 February 2023

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valide.

**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: 3798

Product Name: COVARINE RED WN 3798

**E Number:** Not Applicable

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799
India	R3, TTC Industrial Area, Off Thane Belapur Road, Rabale, Navi Mumbai 400701. INDIA	Ms. Amruta Raipurkar	Amruta.Raipurkar@sensient.com	00 91 22 2760 8801

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

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**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.



## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;

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**Informations Réglementaires / Regulatory Information**

**Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

**Code of Federal Regulations (CFR) Title 21**

Nous certifions que la matière première en référence ne contient aucune substance qui soit prohibée dans le 21 CFR Part 700 en vigueur. Ces informations sont basées sur nos connaissances actuelles.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above raw material does not contain any prohibited substance listed in the current 21 CFR Part 700. This information is based on our current knowledge.

This information is based on our current knowledge.

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## Autres conformités / Other Certificates and Information

### Religious Status

#### Kosher:

The product is eligible for Kosher certification.

#### Carmines:

This product does not contain Carmine.

#### Halal:

The product is eligible for Halal certification.

### Dietary Status

#### Vegan Statement

This product is Suitable for vegans.

Aclarification step is used during the manufacturing process of xanthan gum. An enzyme is involved. The enzyme is obtained by fermentation and does not originate from eggs or any other products from animal source.

### GMO Status

#### GMO Statement

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### Huile de palme / Palm Oil Status

Does not contain palm oil or palm oil derivatives

### BSE/TSE

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.

## Naturalness

According to our interpretation of the ISO 16128 standard, parts 1 and 2, the Natural Content and Natural Origin Content of the material in reference are the following. Calculations were made according to guidelines issued by French professional associations (INGRECOS, FEBEA) in the draft report submitted to ISO and including formulation water. This information is based on our current knowledge.

### Naturalité / Naturality

Type	Index
Contenu Naturel / Natural Content (norme/norm ISO 16128)	18.3%
Contenu d'origine naturel / Natural Derived Content (norme/norm ISO 16128)	100%

### Origine / Origin

Description	Source	Species	Part	* Country of Origin	Type
CI 77491 [Iron Oxides]	Mineral, Synthetic	-	-	-	-
Glycerin	Plant, Synthetic	Rape	Seed	Europe	-
Aqua [Water]	-	-	-	-	-
Xanthan Gum	Plant, Fermentation, Microbial	Maize, Sugar Beet	-	Europe	-
Sodium Citrate	Plant, Fermentation	Maize, Sugar Beet	-	Europe	-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. / Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.

## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	3 ppm
Mercury	0.5 ppm
Cobalt	15 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	2 ppm
Barium	5 ppm
Copper	10 ppm
Chromium	20 ppm
Zinc	20 ppm

### Residual Solvent - Class 1

#### Class 1 Solvents Qty (Max)

None

### Residual Solvent - Class 2

Class 2 Solvents	Qty (Max)	Comment
Methanol	150 ppm	

### Residual Solvent - Class 3

Class 3 Solvents	Qty (Max)	Comment
2-Propanol	5 ppm	

### Residual Solvent - Non-classified

#### Solvents Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
	0.000 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phthalate	85-68-7	0 ppm	Absent
DEHP	Bis (2-Ethylhexyl) Phthalate	117-81-7	0 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phthalate	117-82-8	0 ppm	Absent
DBP	Dibutyl Phthalate	84-74-2	0 ppm	Absent
DNOP	Di-n-Octyl Phthalate	117-84-0	0 ppm	Absent

DPP	Di-n-Pentyl Phtalate	131-16-8	0 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyle)	111-96-6	0 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11 "tetraoxadodecane"	112-49-2	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Traces, sous-produits et impuretés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
Asbestos	0 ppm	Not applicable
Free amines	0 ppm	Not applicable
Diethanolamine	0 ppm	Not applicable
Diethylene Glycol	300.000 ppm	Present
Formaldehyde	0 ppm	Not applicable
Crystalline silica	0 ppm	Not applicable
Nitrosamines	0 ppm	Not applicable
Nonylphenol, Nonoxynol	0 ppm	Not applicable
Ethylene oxide	0.000 ppm	Not applicable
Propylene oxide	0 ppm	Not applicable
Sulfites	0 ppm	Not applicable
Triethanolamine	0 ppm	Not applicable
1,4 - Dioxane	0.000 ppm	Not applicable
D4	0 ppm	Not applicable
D5	0 ppm	Not applicable
D6	0 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1 ppm
Lead	< 10 ppm
Arsenic	< 3 ppm
Mercury	< 0.5 ppm
Cobalt	< 15 ppm
Nickel	< 10 ppm
Selenium	< 10 ppm
Antimony	< 2 ppm
Barium	< 5 ppm
Copper	< 10 ppm
Chromium	< 20 ppm
Zinc	< 20 ppm

Substances(s) listées dans la Proposition 65: Methanol < 150 ppm  
Ces informations sont basées sur nos connaissances actuelles

Substances(s) listed on Proposition 65: Methanol < 150 ppm  
This information is based on our current knowledge.



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**Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)**

**Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations**

La matière première en référence contient des traces techniquement inévitables des substances ci-dessous classées comme Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

The above material contains technically unavoidable traces of below listed substances classified as Volatile Organic Compounds according to regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates.

**Règlement suisse / Swiss Regulation**

La matière première en référence contient des traces techniquement inévitables des substances suivantes, classées comme Composés Organiques Volatils et concernées à ce jour par les dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour. Les exemptions de taxe d'incitation sont indiquées dans la colonne "Swiss VOC - Taxe d'incitation".

The above material contains technically unavoidable traces of the below substances, classified as Volatile Organic Compounds and today concerned by the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates. All incentive tax exemptions are marked in the "Swiss VOC - Incentive tax" column

INCI Name	CAS	VOC Content, ppm	California VOC	Swiss VOC / tax
Methanol	67-56-1	150.0000	Yes	Yes
2-propanol	110-98-5	5.0000	Yes	Yes
Diethylene Glycol	111-46-6	300.0000	Yes	No

## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

According to data published in literature / Basé sur les résultats de la littérature

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral > 2000.00000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

Diiron Trioxide      a) acute toxicity      LD50 Oral Rat > 10000 mg/kg

### List of Eco-Toxicological properties of the product

No data available

Toxicological information:

Refer to the MSDS

**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 730

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Storage temperature: 5-30°C

**Tariff Code:** 320649

**Notes:**

Not Available

## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australie)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77491 [Iron Oxides]	1309-37-1	Listed	Listed	Listed - 1309-37-1	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed - 56-81-5	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed - 7732-18-5	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed - 11138-66-2	Listed	Listed
Sodium Citrate	68-04-2	Listed	Not Listed	Not Listed - 68-04-2	Listed	Not Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77491 [Iron Oxides]	1309-37-1	Listed	Listed	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed	Listed
Sodium Citrate	68-04-2	Listed	Not Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77491 [Iron Oxides]	1309-37-1	Listed - Annex IV, Entry 135	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Glycerin	56-81-5	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Listed - 2019
Aqua [Water]	7732-18-5	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Xanthan Gum	11138-66-2	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Sodium Citrate	68-04-2	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

## **Certificat CITES / CITES Statement**

Nous certifions que la matière en référence ne contient pas d'ingrédient dérivé d'espèce présente sur les listes de la convention CITES.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain any ingredients derived from a species on the CITES listing

This information is based on our current knowledge.

## **Traces CMR / CMR Traces**

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

### **CMR Ingredients**

**Not Available**

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.

## **Pesticides (Food Regulation)**

Nous certifions que la matière en référence, issue du végétal, est en conformité avec le règlement (CE) n°396/2005 et ses adaptations, fixant les limites maximales applicables aux résidus de pesticides présents dans ou sur les denrées alimentaires et les aliments pour animaux, d'origines végétale et animale.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that our material in reference, from vegetal origin, complies with Regulation (EC) No. 396/2005 and its amendments regarding the maximum residue levels of pesticides in or on food and feed of plant and animal origin.

This information is based on our current knowledge.



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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.

## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelqu'en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation depuis la date ci-dessous.

Des tests sur animaux ont ou peuvent uniquement être réalisés après la date ci-dessous dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

Date du dernier test sur animaux (Sensient Cosmetic Technologies) : December 31, 1990

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since the date below.

Animal testing has or can only be conducted after the date below within the context of Sensient Cosmetic Technologies obligations for REACH.

Date of the latest animal testing (Sensient Cosmetic Technologies): December 31, 1990

## **Certificat Gluten / Gluten Statement**

Nous certifions que le produit mentionné ci-dessus ne contient pas de traces de gluten.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain gluten.

This information is based on our current knowledge.

### **Nagoya (before 2014/10/12)**

Nous certifions que le(s) Plante(s), servant à fabriquer le(s) ingrédient(s) entrant dans la matière en référence, n'est (ne sont) pas concernée(s) par le Protocole de Nagoya. En effet, aucune activité de recherche et de développement sur la composition génétique et/ou biochimique de ressources génétiques n'a été réalisée après le 12 Octobre 2014.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the Plant(s) which is/are used for manufacturing the ingredient(s) present in the material in reference is/are not affected by the Nagoya Protocol. Indeed, no research and development on the genetic and/or biochemical composition of genetic resources have been conducted after October 12th, 2014.

This information is based on our current knowledge.

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## Safety Data Sheet

### Covarine Red Wn 3798

Safety Data Sheet dated: 21 December 2022 - version 3

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: Covarine Red Wn 3798

Trade code: 3798

Registration Number See Paragraph 3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not determined

### 3.2. Mixtures

Mixture identification: Covarine Red Wn 3798

#### Nanoforms characteristics:

Names of (Sets of) nanoform(s): Diiron trioxide

Particle size distribution: D50:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Diiron trioxide) - (Counted SEM)  
Mean:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Diiron trioxide) - (Counted SEM)

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### **4.2. Most important symptoms and effects, both acute and delayed**

Not determined

### **4.3. Indication of any immediate medical attention and special treatment needed**

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### **5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

### **5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

---

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### **6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### **6.3. Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### **6.4. Reference to other sections**

See also section 8 and 13

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### **7.2. Conditions for safe storage, including any incompatibilities**

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

### **7.3. Specific end use(s)**

Recommendation(s)

Storage temperature: 5-30°C

Industrial sector specific solutions:

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Liquid

Odour: Characteristic

pH: 7.00

Kinematic viscosity: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not Established

Upper/lower flammability or explosive limits: Not determined

Vapour density: Not determined

Vapour pressure: Not determined

Relative density: Not determined

Solubility in water: Dispersible

Solubility in oil: Not miscible

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: For more information, please refer to our Particle Size Statement

Nanoforms: Contains at least one nanoform

### 9.2. Other information

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.



## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information:

According to data published in literature / Basé sur les résultats de la littérature

#### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral > 2000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

#### 11.2 Information on other hazards

##### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

### 12.2. Persistence and degradability

Not Available

### 12.3. Bioaccumulative potential

Not Available

### 12.4. Mobility in soil

Not Available

### 12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration  $\geq 0.1\%$

### 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7 Other adverse effects

Not Available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

German Water Hazard Class Class 1: slightly hazardous for water.

## SECTION 14: Transport information

### 14.1. UN number or ID number

N/A

### 14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

### 14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

### 14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

### 14.5. Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt: No

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

### 14.7. Maritime transport in bulk according to IMO instruments

Not Available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 CLP)  
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

Class 1: slightly hazardous for water.

**Lagerklasse according to TRGS 510:**

LGK 10

SVHC Substances:

None > 0.1%

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In

August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information

PRODUCT CODE: 3798  
 PRODUCT NAME: COVARINE RED WN 3798  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 8/17/2021

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
Glycerin	Glycerol	56-81-5	200-289-5	Exempted (Annex V)	-
Aqua [Water]	Water	7732-18-5	231-791-2	Exempted (Annex IV)	-
Xanthan Gum	Xanthan Gum	11138-66-2	234-394-2	Exempted (Annex V)	-
CI 77491 [Iron Oxides]	Diiron Trioxide	1309-37-1	215-168-2	Registered	01-2119457614-35-XXXX
Sodium Citrate	Trisodium citrate	68-04-2	200-675-3	Registered	01-2119457027-40-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

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### Description du produit / Product Description

Natural water-based dispersion of Unipure Red LC 388 in a water/glycerin mixture / Dispersion aqueuse et naturelle de l'Unipure Red LC 388 dans un mélange eau/glycérine.  
 New generation of high purity red iron oxide / Nouvelle génération d'oxyde de fer rouge de haute pureté.  
 Ecocert and COSMOS standard compliance / Conformité au standard Ecocert et COSMOS.

### Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

#### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77491	-	1309-37-1	215-168-2	Annex IV	Permitted	E 172	EU-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not Listed	Permitted	-	EU-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not Listed	Permitted	-	EU-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not Listed	Permitted	-	EU-A	Ingredient
Sodium Citrate	-	6132-04-3	200-675-3	Not Listed	Permitted	-	EU-A	Ingredient

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Iron oxides	-	1309-37-1	215-168-2	73.2250	Exempted	USA-B	Pigment

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Glycerin	-	56-81-5	200-289-5	-	-	USA-A	Ingredient
Water	-	7732-18-5	231-791-2	-	-	USA-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	-	-	USA-A	Ingredient
Sodium Citrate	-	6132-04-3	200-675-3	-	-	USA-A	Ingredient

\*When listed, 21 CFR requirements are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - CHINA

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
CI 77491	-	1309-37-1	215-168-2	Annex VI	Compliant	CH-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	CH-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	CH-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	CH-A	Ingredient
Sodium Citrate	-	6132-04-3	200-675-3	Not listed - Permitted	-	CH-A	Ingredient

\*When compliant, requirements described in the Technical Standard are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	Tar Color MHLW 31/1966*	JSQI	Note	Function
Red Oxide of Iron	-	1309-37-1	215-168-2	Not listed - Permitted	Red Oxide of Iron	-	JP-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	-	JP-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	-	JP-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	-	JP-A	Ingredient
Sodium Citrate	-	6132-04-3	200-675-3	Not listed - Permitted	-	-	JP-A	Ingredient

\*When listed, requirements for the Tar Color are met.

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 DATE: 8/17/2021

"-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of this product and its owns applications.

\*\*This table is not applicable for hair dyes.



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### Notes:

EU-A Permitted in all cosmetics.  
EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
EU-C Permitted in all cosmetics with restrictions as hair dye.  
EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
EU-G Not permitted.  
EU-H Permitted as Hair-dye only with restrictions.  
EU-I Permitted in all cosmetics except as hair dye.  
EU-J Permitted in all cosmetics with restrictions.  
EU-K Permitted only for rinse-off products.  
EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
USA-A Not regulated, permitted in all cosmetics.  
USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
USA-C For coloring cosmetics generally.  
USA-D For coloring externally applied cosmetics.  
USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
USA-J For use in toothpastes at not more than 0.1%.  
USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
USA-L Not permitted.  
USA-M For coloring cosmetics generally; except eye area.  
USA-N Not permitted as color additive. Permitted as Hair dye.  
USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
CH-A Permitted in all cosmetics.  
CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Viscous liquid			
Odor			Characteristic			
Color			Red			

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### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
<b>Physique / Physical</b>						
<b>Physical and Sensorial Test</b>			<b>Target</b>			
Specific gravity (g/cm3) / Masse volumique						1.8 - 2.2
Pigment/ Teneur en pigment						50 - 60%
Fastness to light / Stabilité lumière						Very good / Très bonne
Fastness to alkali / Stabilité alcalis						Very good / Très bonne

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	3 ppm
Mercury	0.5 ppm
Cobalt	15 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	2 ppm
Barium	5 ppm
Copper	10 ppm
Chromium	20 ppm
Zinc	20 ppm

## Propriétés cosmétiques / Cosmetic properties

Ready-to-use dispersion / Dispersion prêt-à-l'emploi  
 Milling free solution / Solution sans broyage  
 Immediate adjustment of shades with simple stirring / Ajustement immédiat des teintes par simple agitation  
 Excellent stability / Excellente stabilité  
 High chemical and microbiological purity / Pureté chimique et microbiologique élevée  
 High compatibility with aqueous cosmetic media / Compatibilité importante avec les milieux cosmétiques aqueux  
 Good performances in natural O/W emulsions and aqueous gels / Bonnes performances dans les émulsions H/E et les gels aqueux naturels.

## Utilisations conseillées / Suggested uses

Skin care / Produits de soins	0.01 - 5%
Sun care products / Produits solaires	0.01 - 5%
Face make-up / Maquillage visage	0.1 - 20%
Lip make-up / Maquillage lèvres	0.1 - 20%
Eye make-up / Maquillage yeux	0.1 - 20%

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: 3798  
PRODUCT NAME: COVARINE RED WN 3798  
COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
DATE: 8/17/2021

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Soap / Savon	0.1 - 25%
Nail varnish / Vernis à ongles	0.1 - 25%
Hair product / Produit capillaire	0.1 - 15%

## COVARINE WHITE WN 9787

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- Pesticides (Food Regulation)
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- Non Test sur Animaux / Non Animal Testing
- Certificat Gluten / Gluten Statement
- Nagoya (before 2014/10/12)

Created By Haubensack, Alexis Checked by Loupias, Manon -France Date 7/8/2022

Product code: 9787  
Print date: 27 February 2023

Ce document électronique ne nécessite pas de signature pour être valide.

This electronic document does not need a signature to be valid.

**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: 9787

Product Name: COVARINE WHITE WN 9787

**E Number:** Not Applicable

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799
India	R3, TTC Industrial Area, Off Thane Belapur Road, Rabale, Navi Mumbai 400701. INDIA	Ms. Amruta Raipurkar	Amruta.Raipurkar@sensient.com	00 91 22 2760 8801

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

China

Brazil

United Kingdom

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**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.



## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;

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## Informations Réglementaires / Regulatory Information

### **Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

### **Code of Federal Regulations (CFR) Title 21**

Nous certifions que la matière première en référence ne contient aucune substance qui soit prohibée dans le 21 CFR Part 700 en vigueur. Ces informations sont basées sur nos connaissances actuelles.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above raw material does not contain any prohibited substance listed in the current 21 CFR Part 700. This information is based on our current knowledge.

This information is based on our current knowledge.

## **Autres conformités / Other Certificates and Information**

### **Religious Status**

#### **Kosher:**

The product is eligible for Kosher certification.

#### **Carmines:**

This product does not contain Carmines.

#### **Halal:**

The product is eligible for Halal certification.

### **Dietary Status**

#### **Vegan Statement**

This product is Suitable for vegans.

A clarification step is used during the manufacturing process of xanthan gum. An enzyme is involved. The enzyme is obtained by fermentation and does not originate from eggs or any other products from animal source.

### **GMO Status**

#### **GMO Statement**

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### **Huile de palme / Palm Oil Status**

Does not contain palm oil or palm oil derivatives

### **BSE/TSE**

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.

## Naturalness

According to our interpretation of the ISO 16128 standard, parts 1 and 2, the Natural Content and Natural Origin Content of the material in reference are the following. Calculations were made according to guidelines issued by French professional associations (INGRECOS, FEBEA) in the draft report submitted to ISO and including formulation water. This information is based on our current knowledge.

### Naturalité / Naturality

Type	Index
Contenu Naturel / Natural Content (norme/norm ISO 16128)	20%
Contenu d'origine naturel / Natural Derived Content (norme/norm ISO 16128)	100%

### Origine / Origin

Description	Source	Species	Part	* Country of Origin	Type
CI 77891 [Titanium Dioxide]	Mineral, Synthetic	-	-	Europe, Canada	-
Glycerin	Plant, Synthetic	Rape	Seed	Europe	-
Aqua [Water]		-	-	-	-
Xanthan Gum	Plant, Fermentation, Microbial	Maize, Sugar Beet	-	Europe	-
Sodium Citrate	Plant, Fermentation	Maize, Sugar Beet	-	Europe	-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. / Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.

## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1.000 ppm
Lead	10.000 ppm
Arsenic	1.000 ppm
Mercury	1.000 ppm
Cobalt	10.000 ppm
Nickel	10.000 ppm
Selenium	10.000 ppm
Antimony	2.000 ppm
Barium	5.000 ppm
Copper	50.000 ppm
Chromium	20.000 ppm
Zinc	50.000 ppm

### Residual Solvent - Class 1

#### Class 1 Solvents Qty (Max)

None

### Residual Solvent - Class 2

Class 2 Solvents	Qty (Max)	Comment
Methanol	150 ppm	

### Residual Solvent - Class 3

Class 3 Solvents	Qty (Max)	Comment
2-Propanol	5 ppm	

### Residual Solvent - Non-classified

#### Solvents Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
	0.000 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phtalate	85-68-7	0 ppm	Absent
DEHP	Bis (2-Ethylhexyl) Phtalate	117-81-7	0 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phtalate	117-82-8	0 ppm	Absent
DBP	Dibutyl Phtalate	84-74-2	0 ppm	Absent
DNOP	Di-n-Octyl Phtalate	117-84-0	0 ppm	Absent

DPP	Di-n-Pentyl Phtalate	131-16-8	0 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyle)	111-96-6	0 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11 "tetraoxadodecane"	112-49-2	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Traces, sous-produits et impuretés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
Asbestos	0 ppm	Not applicable
Free amines	0 ppm	Not applicable
Diethanolamine	0 ppm	Not applicable
Diethylene Glycol	300.000 ppm	Present
Formaldehyde	0 ppm	Not applicable
Crystalline silica	0 ppm	Not applicable
Nitrosamines	0 ppm	Not applicable
Nonylphenol, Nonoxynol	0 ppm	Not applicable
Ethylene oxide	0.000 ppm	Not applicable
Propylene oxide	0 ppm	Not applicable
Sulfites	0 ppm	Not applicable
Triethanolamine	0 ppm	Not applicable
1,4 - Dioxane	0.000 ppm	Not applicable
D4	0 ppm	Not applicable
D5	0 ppm	Not applicable
D6	0 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1.000 ppm
Lead	< 10.000 ppm
Arsenic	< 1.000 ppm
Mercury	< 1.000 ppm
Cobalt	< 10.000 ppm
Nickel	< 10.000 ppm
Selenium	< 10.000 ppm
Antimony	< 2.000 ppm
Barium	< 5.000 ppm
Copper	< 50.000 ppm
Chromium	< 20.000 ppm
Zinc	< 50.000 ppm

Substances(s) listées dans la Proposition 65: Methanol < 150 ppm  
Ces informations sont basées sur nos connaissances actuelles

Substances(s) listed on Proposition 65: Methanol < 150 ppm  
This information is based on our current knowledge.



## Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)

### Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations

La matière première en référence contient des traces techniquement inévitables des substances ci-dessous classées comme Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

The above material contains technically unavoidable traces of below listed substances classified as Volatile Organic Compounds according to regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates.

### Règlement suisse / Swiss Regulation

La matière première en référence contient des traces techniquement inévitables des substances suivantes, classées comme Composés Organiques Volatils et concernées à ce jour par les dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour. Les exemptions de taxe d'incitation sont indiquées dans la colonne "Swiss VOC - Taxe d'incitation".

The above material contains technically unavoidable traces of the below substances, classified as Volatile Organic Compounds and today concerned by the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates. All incentive tax exemptions are marked in the "Swiss VOC - Incentive tax" column

INCI Name	CAS	VOC Content, ppm	California VOC	Swiss VOC / tax
Methanol	67-56-1	150.0000	Yes	Yes
2-propanol	110-98-5	5.0000	Yes	Yes
Diethylene Glycol	111-46-6	300.0000	Yes	No

## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

According to data published in literature / Basé sur les résultats de la littérature

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral > 2000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

Titanium Dioxide	a) acute toxicity	LD50 Oral Rat > 10000 mg/kg LC50 Inhalation Rat > 6.82 mg/l 4h
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### List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
Titanium Dioxide	CAS: 13463-67-7 - EINECS: 236-675-5	a) Aquatic acute toxicity : LC50 Fish <i>Oncorhynchus mykiss</i> > 100 mg/L 96h OECD 203  a) Aquatic acute toxicity : LC50 Fish <i>Cyprinodon variegatus</i> > 10000 mg/L 96h OECD 203  a) Aquatic acute toxicity : LC50 <i>Daphnia magna</i> > 100 mg/L 48h OECD 202

Toxicological information:

Refer to the MSDS

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**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 730

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Storage temperature: 5-30°C

**Tariff Code:** 321290

**Notes:**

Not Available

## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australasia)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77891 [Titanium Dioxide]	13463-67-7	Listed	Listed	Listed - 13463-67-7	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed - 56-81-5	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed - 7732-18-5	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed - 11138-66-2	Listed	Listed
Sodium Citrate	68-04-2	Listed	Listed	Listed - 68-04-2	Listed	Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77891 [Titanium Dioxide]	13463-67-7	Listed	Not Listed	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed	Listed
Sodium Citrate	68-04-2	Listed	Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77891 [Titanium Dioxide]	13463-67-7	Listed - Annex IV, entry 143	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Glycerin	56-81-5	Not Listed - Allowed in all cosmetics.	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics.	Listed - 2019
Aqua [Water]	7732-18-5	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Xanthan Gum	11138-66-2	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Sodium Citrate	68-04-2	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

### **Certificat CITES / CITES Statement**

Nous certifions que la matière en référence ne contient pas d'ingrédient dérivé d'espèce présente sur les listes de la convention CITES.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain any ingredients derived from a species on the CITES listing

This information is based on our current knowledge.

## **Traces CMR / CMR Traces**

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

### **CMR Ingredients**

**Not Available**

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.



## CMR - IARC - TiO2

### Cancérogénicité :

En février 2006, l'IARC concluait "qu'il n'existe pas assez de preuves pour la cancérogénicité chez l'homme du dioxyde de titane".

Fondé sur les études d'inhalation sur les rats, l'IARC a conclu à des justifications suffisantes pour la cancérogénicité sur les animaux d'expérience, l'évaluation générale de l'IARC était que "le dioxyde de titane est peut-être cancérogène pour l'homme (groupe 2B)".

Cette décision se base sur les règles d'IARC qui exigent une telle classification si au moins deux études indépendantes effectuées sur une même espèce à différents moments ou dans des laboratoires différents ou avec des protocoles d'expérience différents montrent des formations de tumeurs.\*

\* Basé sur les résultats de la littérature

Ces informations sont basées sur nos connaissances actuelles

### Carcinogenicity :

In February 2006, IARC concluded "there is inadequate evidence in humans for the carcinogenicity of titanium dioxide."

Based on rat inhalation studies, IARC concluded that there is sufficient evidence in lab testing animals for the carcinogenicity of titanium dioxide. IARC's overall evaluation was that "titanium dioxide is possibly carcinogenic to humans (group 2B)."

This conclusion was based on IARC's guidelines, which require such a classification if two or more independent studies in one species carried out at different times or in different laboratories or under different protocols show evidence of tumors." \*

\* Based on data from literature

This information is based on our current knowledge.

## **Pesticides (Food Regulation)**

Nous certifions que la matière en référence, issue du végétal, est en conformité avec le règlement (CE) n°396/2005 et ses adaptations, fixant les limites maximales applicables aux résidus de pesticides présents dans ou sur les denrées alimentaires et les aliments pour animaux, d'origines végétale et animale.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that our material in reference, from vegetal origin, complies with Regulation (EC) No. 396/2005 and its amendments regarding the maximum residue levels of pesticides in or on food and feed of plant and animal origin.

This information is based on our current knowledge.

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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.

## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelqu'en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation depuis la date ci-dessous.

Des tests sur animaux ont ou peuvent uniquement être réalisés après la date ci-dessous dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

Date du dernier test sur animaux (Sensient Cosmetic Technologies) : December 31, 1990

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since the date below.

Animal testing has or can only be conducted after the date below within the context of Sensient Cosmetic Technologies obligations for REACH.

Date of the latest animal testing (Sensient Cosmetic Technologies): December 31, 1990

## **Certificat Gluten / Gluten Statement**

Nous certifions que le produit mentionné ci-dessus ne contient pas de traces de gluten.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain gluten.

This information is based on our current knowledge.

### **Nagoya (before 2014/10/12)**

Nous certifions que le(s) Plante(s), servant à fabriquer le(s) ingrédient(s) entrant dans la matière en référence, n'est (ne sont) pas concernée(s) par le Protocole de Nagoya. En effet, aucune activité de recherche et de développement sur la composition génétique et/ou biochimique de ressources génétiques n'a été réalisée après le 12 Octobre 2014.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the Plant(s) which is/are used for manufacturing the ingredient(s) present in the material in reference is/are not affected by the Nagoya Protocol. Indeed, no research and development on the genetic and/or biochemical composition of genetic resources have been conducted after October 12th, 2014.

This information is based on our current knowledge.

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## Safety Data Sheet

### Covarine White Wn 9787

Safety Data Sheet dated: 21 December 2022 - version 5

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: Covarine White Wn 9787

Trade code: 9787

Registration Number See Paragraph 3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special Provisions:

EUH210 Safety data sheet available on request.

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

---

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not determined

### 3.2. Mixtures

Mixture identification: Covarine White Wn 9787

#### Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
40-50 %	Titanium Dioxide	CAS:13463-67-7	Carc. 2, H351	01-2119489379-17-XXXX



This mixture contains  $\geq 1\%$  titanium dioxide (CAS 13463-67-7). The Annex VI classification of titanium dioxide does not apply to this mixture according to its Note 10.

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not determined

### 4.3. Indication of any immediate medical attention and special treatment needed

---

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

---

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Storage temperature: 5-30°C

Industrial sector specific solutions:

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
Titanium Dioxide CAS: 13463-67-7	ACGIH		Long Term: 10 mg/m3 A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation;
	ACGIH		Long Term: 10 mg/m3 lower respiratory tract irritation;A4 - Not Classifiable as a Human Carcinogen;
	ACGIH		Long Term: 10 mg/m3 A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation
	ACGIH		Long Term: 10 mg/m3 lower respiratory tract irritation;A4 - Not Classifiable as a Human Carcinogen
	EU		Long Term: 10 mg/m3
	MAK	Germany	Long Term: 0.3 mg/m3
	ACGIH		Long Term: 0.2 mg/m3 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;lower respiratory tract irritation;pneumoconiosis
	ACGIH		Long Term: 2.5 mg/m3 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;lower respiratory tract irritation;pneumoconiosis
	NATION AL	Australia	Long Term: 10 mg/m3
	NATION AL	France	Long Term: 10 mg/m3
	NATION AL	Spain	Long Term: 10 mg/m3
	NATION AL	Germany	Long Term: 1.25 mg/m3
	NATION AL	Germany	Long Term: 10 mg/m3
	NATION AL	Portugal	Long Term: 10 mg/m3
	NATION AL	Belgium	Long Term: 10 mg/m3
	NATION AL	Poland	Long Term: 10 mg/m3; Short Term: 30 mg/m3
	NATION AL	Russian Federation	Long Term: 10 mg/m3
NATION AL	United Kingdom	Long Term: 10 mg/m3; Short Term: 30 mg/m3	
NATION AL	United Kingdom	Long Term: 10 mg/m3; Short Term: 12 mg/m3	
NATION AL	United Kingdom	Long Term: 4 mg/m3; Short Term: 30 mg/m3	

#### Predicted No Effect Concentration (PNEC) values

Titanium Dioxide  
CAS: 13463-67-7  
Exposure Route: Water; PNEC Limit: 1 mg/l

Exposure Route: N.A.; PNEC Limit: 1000 mg/kg

Exposure Route: Soil (agricultural); PNEC Limit: 0.127 mg/l

Exposure Route: Water; PNEC Limit: 100 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 100 mg/kg

Exposure Route: Soil; PNEC Limit: 100 mg/kg

Exposure Route: Air; PNEC Limit: 1667 mg/kg

### Derived No Effect Level (DNEL) values

Titanium Dioxide  
CAS: 13463-67-7

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Worker Industry: 10 ; Worker Professional: 10 mg/m<sup>3</sup>

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 700 mg/m<sup>3</sup>

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Liquid

Odour: Characteristic

pH: 7.00

Kinematic viscosity: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not Established

Upper/lower flammability or explosive limits: Not determined

Vapour density: Not determined

Vapour pressure: Not determined

Relative density: Not determined

Solubility in water: Dispersible

Solubility in oil: Not miscible

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: Not determined

Nanoforms: Does not contain nanoform according to REACH regulation

### 9.2. Other information

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

#### 10.4. Conditions to avoid

Stable under normal conditions.

#### 10.5. Incompatible materials

None in particular.

#### 10.6. Hazardous decomposition products

None.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information:

According to data published in literature / Basé sur les résultats de la littérature

##### Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
	LD50 Oral > 2000 mg/kg
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
	Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
	Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

##### Toxicological information on main components of the mixture:

Titanium Dioxide	a) acute toxicity	LD50 Oral Rat > 10000 mg/kg
		LC50 Inhalation Rat > 6.82 mg/l 4h
		LC50 Inhalation Rat = 5.09 mg/l 4h
		LD50 Oral Rat > 10000 mg/kg

#### 11.2 Information on other hazards

##### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### SECTION 12: Ecological information

#### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

##### List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
Titanium Dioxide	CAS: 13463-67-7 - EINECS: 236-675-5	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss > 100 mg/L 96h OECD 203
		a) Aquatic acute toxicity : LC50 Fish Cyprinodon variegatus > 10000 mg/L 96h OECD 203

#### 12.2. Persistence and degradability

Not Available

#### 12.3. Bioaccumulative potential

Not Available

#### 12.4. Mobility in soil

Not Available

#### 12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration  $\geq 0.1\%$

#### 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

#### 12.7 Other adverse effects

Not Available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

German Water Hazard Class Class 1: slightly hazardous for water.

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### SECTION 14: Transport information

#### 14.1. UN number or ID number

N/A

#### 14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

#### 14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

#### 14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

#### 14.5. Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

#### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt: No

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

#### 14.7. Maritime transport in bulk according to IMO instruments

Not Available

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

Class 1: slightly hazardous for water.

#### Lagerklasse according to TRGS 510:

LGK 10

SVHC Substances:

None > 0.1%

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

### SECTION 16: Other information

Code	Description
H351	Suspected of causing cancer if inhaled.

Code	Hazard class and hazard category	Description
3.6/2	Carc. 2	Carcinogenicity, Category 2

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

ES: Exposure Scenario

IARC: International Agency for Research on Cancer

IC50: half maximal inhibitory concentration

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: KAFH

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PSG: Passengers

vPvB: Very Persistent, Very Bioaccumulative.

KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 14: Transport information
- SECTION 15: Regulatory information





PRODUCT CODE: 9787  
 PRODUCT NAME: COVARINE WHITE WN 9787  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 7/8/2022

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
Glycerin	Glycerol	56-81-5	200-289-5	Exempted (Annex V)	-
Aqua [Water]	Water	7732-18-5	231-791-2	Exempted (Annex IV)	-
Xanthan Gum	Xanthan Gum	11138-66-2	234-394-2	Exempted (Annex V)	-
CI 77891 [Titanium Dioxide]	Titanium Dioxide	13463-67-7	236-675-5	Registered	01-2119489379-17-XXXX
Sodium Citrate	Trisodium citrate	68-04-2	200-675-3	Registered	01-2119457027-40-XXXX

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## Technical Data Sheet

PRODUCT CODE: 9787  
 PRODUCT NAME: COVARINE WHITE WN 9787  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 7/8/2022

### Description du produit / Product Description

Natural water-based dispersion of Unipure White LC987 in a water/glycerin mixture / Dispersion aqueuse et naturelle de l'Unipure White LC987 dans un mélange eau/glycérine.  
 High purity rutile titanium dioxide / Oxydede titane rutile de haute pureté.  
 Ecocert and COSMOS standard compliance / Conformité au standard Ecocert et COSMOS.

### Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

#### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77891	-	13463-67-7	236-675-5	Annex IV	Permitted	E 171	EU-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not Listed	Permitted	-	EU-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not Listed	Permitted	-	EU-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not Listed	Permitted	-	EU-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not Listed	Permitted	-	EU-A	Ingredient

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Titanium Dioxide	-	13463-67-7	236-675-5	73.2575	Exempted	USA-B	Pigment

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Glycerin	-	56-81-5	200-289-5	-	-	USA-A	Ingredient
Water	-	7732-18-5	231-791-2	-	-	USA-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	-	-	USA-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	-	-	USA-A	Ingredient

\*When listed, 21 CFR requirements are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - CHINA

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
CI 77891	-	13463-67-7	236-675-5	Annex VI	Compliant	CH-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	CH-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	CH-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	CH-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not listed - Permitted	-	CH-A	Ingredient

\*When compliant, requirements described in the Technical Standard are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	JSQI Tar Color MHLW 31/1966*	Note	Function
Titanium Dioxide	-	13463-67-7	236-675-5	Not listed - Permitted	Titanium dioxide	JP-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	JP-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	JP-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	JP-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not listed - Permitted	-	JP-A	Ingredient

\*When listed, requirements for the Tar Color are met.

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## Technical Data Sheet

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 DATE: 7/8/2022

"-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of this product and its owns applications.

\*\*This table is not applicable for hair dyes.

## Technical Data Sheet

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### Notes:

EU-A Permitted in all cosmetics.  
 EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 EU-C Permitted in all cosmetics with restrictions as hair dye.  
 EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
 EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
 EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
 EU-G Not permitted.  
 EU-H Permitted as Hair-dye only with restrictions.  
 EU-I Permitted in all cosmetics except as hair dye.  
 EU-J Permitted in all cosmetics with restrictions.  
 EU-K Permitted only for rinse-off products.  
 EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
 USA-A Not regulated, permitted in all cosmetics.  
 USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-C For coloring cosmetics generally.  
 USA-D For coloring externally applied cosmetics.  
 USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
 USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
 USA-J For use in toothpastes at not more than 0.1%.  
 USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
 USA-L Not permitted.  
 USA-M For coloring cosmetics generally; except eye area.  
 USA-N Not permitted as color additive. Permitted as Hair dye.  
 USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
 USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
 USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
 USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
 USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
 CH-A Permitted in all cosmetics.  
 CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Viscous liquid			
Odor			Characteristic			
Color			White			

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### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
<b>Physique / Physical</b>						
<b>Physical and Sensorial Test</b>			<b>Target</b>			
Specific gravity (g/cm <sup>3</sup> ) / Masse volumique						1.6 - 2.0
Pigment content / Teneur en pigment						45 - 55%
Fastness to light / Stabilité lumière						Very good / Très bonne
Fastness to alkali / Stabilité alcalis						Very good / Très bonne

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1.000 ppm
Lead	10.000 ppm
Arsenic	1.000 ppm
Mercury	1.000 ppm
Cobalt	10.000 ppm
Nickel	10.000 ppm
Selenium	10.000 ppm
Antimony	2.000 ppm
Barium	5.000 ppm
Copper	50.000 ppm
Chromium	20.000 ppm
Zinc	50.000 ppm

## Propriétés cosmétiques / Cosmetic properties

Ready-to-use dispersion / Dispersion prêt-à-l'emploi  
 Milling free solution / Solution sans broyage  
 Immediate adjustment of shades with simple stirring / Ajustement immédiat des teintes par simple agitation  
 Excellent stability / Excellente stabilité  
 High chemical and microbiological purity / Pureté chimique et microbiologique élevée  
 High compatibility with aqueous cosmetic media / Compatibilité importante avec les milieux cosmétiques aqueux  
 Good performances in natural O/W emulsions and aqueous gels / Bonnes performances dans les émulsions H/E et les gels aqueux naturels.

## Utilisations conseillées / Suggested uses

Skin care / Produits de soins	0.01 - 5%
Sun care products / Produits solaires	0.01 - 5%
Face make-up / Maquillage visage	0.1 - 20%
Lip make-up / Maquillage lèvres	0.1 - 20%
Eye make-up / Maquillage yeux	0.1 - 20%

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Soap / Savon	0.1 - 25%
Nail varnish / Vernis à ongles	0.1 - 25%
Hair product / Produit capillaire	0.1 - 15%



## COVARINE BLACK WN 9798

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- Nagoya (before 2014/10/12)

Created By Loupias, Manon -France Checked by Lemetais, Aurelie -France Date 10/27/2021

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valide.

**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: 9798

Product Name: COVARINE BLACK WN 9798

**E Number:** Not Applicable

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799
India	R3, TTC Industrial Area, Off Thane Belapur Road, Rabale, Navi Mumbai 400701. INDIA	Ms. Amruta Raipurkar	Amruta.Raipurkar@sensient.com	00 91 22 2760 8801

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.

## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;

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**Informations Réglementaires / Regulatory Information**

**Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

**Code of Federal Regulations (CFR) Title 21**

Nous certifions que la matière première en référence ne contient aucune substance qui soit prohibée dans le 21 CFR Part 700 en vigueur. Ces informations sont basées sur nos connaissances actuelles.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above raw material does not contain any prohibited substance listed in the current 21 CFR Part 700. This information is based on our current knowledge.

This information is based on our current knowledge.

## **Autres conformités / Other Certificates and Information**

### **Religious Status**

#### **Kosher:**

The product is eligible for Kosher certification.

#### **Carmines:**

This product does not contain Carmines.

#### **Halal:**

The product is eligible for Halal certification.

### **Dietary Status**

#### **Vegan Statement**

This product is Suitable for vegans.

A clarification step is used during the manufacturing process of xanthan gum. An enzyme is involved. The enzyme is obtained by fermentation and does not originate from eggs or any other products from animal source.

### **GMO Status**

#### **GMO Statement**

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### **Huile de palme / Palm Oil Status**

Does not contain palm oil or palm oil derivatives

### **BSE/TSE**

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.

## Naturalness

According to our interpretation of the ISO 16128 standard, parts 1 and 2, the Natural Content and Natural Origin Content of the material in reference are the following. Calculations were made according to guidelines issued by French professional associations (INGRECOS, FEBEA) in the draft report submitted to ISO and including formulation water. This information is based on our current knowledge.

### Naturalité / Naturality

Type	Index
Contenu Naturel / Natural Content (norme/norm ISO 16128)	18.3%
Contenu d'origine naturel / Natural Derived Content (norme/norm ISO 16128)	100%

### Origine / Origin

Description	Source	Species	Part	* Country of Origin	Type
CI 77499 [Iron Oxides]	Mineral, Synthetic	-	-	-	-
Glycerin	Plant, Synthetic	Rape	Seed	Europe	-
Aqua [Water]	-	-	-	-	-
Xanthan Gum	Plant, Fermentation, Microbial	Maize, Sugar Beet	-	Europe	-
Sodium Citrate	Plant, Fermentation	Maize, Sugar Beet	-	Europe	-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. / Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.



## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	3 ppm
Arsenic	1 ppm
Mercury	0.5 ppm
Cobalt	15 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	2 ppm
Barium	5 ppm
Copper	10 ppm
Chromium	20 ppm
Zinc	20 ppm

### Residual Solvent - Class 1

#### Class 1 Solvents Qty (Max)

None

### Residual Solvent - Class 2

Class 2 Solvents	Qty (Max)	Comment
Methanol	150 ppm	

### Residual Solvent - Class 3

Class 3 Solvents	Qty (Max)	Comment
2-Propanol	5 ppm	

### Residual Solvent - Non-classified

#### Solvents Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
	0.000 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phtalate	85-68-7	0 ppm	Absent
DEHP	Bis (2-Ethylhexyl) Phtalate	117-81-7	0 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phtalate	117-82-8	0 ppm	Absent
DBP	Dibutyl Phtalate	84-74-2	0 ppm	Absent
DNOP	Di-n-Octyl Phtalate	117-84-0	0 ppm	Absent

DPP	Di-n-Pentyl Phtalate	131-16-8	0 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyle)	111-96-6	0 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11 tetraoxadodecane	112-49-2	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Traces, sous-produits et impuretés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
PAH	0.010 ppm	Present
Asbestos	0 ppm	Not applicable
Free amines	0 ppm	Not applicable
Diethanolamine	0 ppm	Not applicable
Diethylene Glycol	300.000 ppm	Present
Formaldehyde	0 ppm	Not applicable
Microcrystalline silica	0 ppm	Not applicable
Nitrosamines	0 ppm	Not applicable
Nonylphenol, Nonoxynol	0 ppm	Not applicable
Ethylene oxide	0.000 ppm	Not applicable
Propylene oxide	0 ppm	Not applicable
Sulfites	0 ppm	Not applicable
Triethanolamine	0 ppm	Not applicable
1,4 - Dioxane	0.000 ppm	Not applicable
D4	0 ppm	Not applicable
D5	0 ppm	Not applicable
D6	0 ppm	Not applicable
Benzo(a)pyrène	0.005 ppm	Present

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

susceptible d'avoir cette impureté.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1 ppm
Lead	< 3 ppm
Arsenic	< 1 ppm
Mercury	< 0.5 ppm
Cobalt	< 15 ppm
Nickel	< 10 ppm
Selenium	< 10 ppm
Antimony	< 2 ppm
Barium	< 5 ppm
Copper	< 10 ppm
Chromium	< 20 ppm
Zinc	< 20 ppm

Substances(s) listées dans la Proposition 65: Methanol < 150 ppm  
Ces informations sont basées sur nos connaissances actuelles

Substances(s) listed on Proposition 65: Methanol < 150 ppm  
This information is based on our current knowledge.

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**Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)**

**Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations**

La matière première en référence contient des traces techniquement inévitables des substances ci-dessous classées comme Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

The above material contains technically unavoidable traces of below listed substances classified as Volatile Organic Compounds according to regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates.

**Règlement suisse / Swiss Regulation**

La matière première en référence contient des traces techniquement inévitables des substances suivantes, classées comme Composés Organiques Volatils et concernées à ce jour par les dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour. Les exemptions de taxe d'incitation sont indiquées dans la colonne "Swiss VOC - Taxe d'incitation".

The above material contains technically unavoidable traces of the below substances, classified as Volatile Organic Compounds and today concerned by the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates. All incentive tax exemptions are marked in the "Swiss VOC - Incentive tax" column

INCI Name	CAS	VOC Content, ppm	California VOC	Swiss VOC / tax
Methanol	67-56-1	150.0000	Yes	Yes
2-propanol	110-98-5	5.0000	Yes	Yes
Diethylene Glycol	111-46-6	300.0000	Yes	No

## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

According to data published in literature / Basé sur les résultats de la littérature

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral > 2000.00000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

Triiron tetraoxide	a) acute toxicity	LD50 Oral Rat > 5000.00000 mg/kg No Observed Adverse Effect Level Inhalation Rat = 4.70000 mg/m <sup>3</sup> LD50 Oral Rat > 10000 mg/kg	Standard acute method OECD 413
	b) skin corrosion/irritation	Skin Irritant Rabbit No Irritant effect 24h	OCDE 404
	c) serious eye damage/irritation	Eye Irritant Rabbit No Irritant effect	OCDE 405
	d) respiratory or skin sensitisation	Respiratory Sensitization Rat 5000.00000 mg/kg	
	f) carcinogenicity	Carcinogenicity Rat Negative Genotoxicity Negative	OCDE 473 OCDE 471 - In vitro mammalian chromosome aberration test: OCDE 473 (hamster) - Reverse mutation assay (Ames test): OCDE 471 (Salmonella typhimurium)
	g) reproductive toxicity	Reproductive Toxicity Negative	

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**List of Eco-Toxicological properties of the components**

<b>Component</b>	<b>Ident. Numb.</b>	<b>Ecotox Data</b>
Triiron tetraoxide	CAS: 1317-61-9 - EINECS: 215-277-5	c) Bacteria toxicity : EC0 > 1000.00000 mg/L DZLOLI1 - Static test EU C.2  a) Aquatic acute toxicity : LC0 Fish > 1000.00000 mg/L 48h - Static test OCDE 203

Toxicological information:  
Refer to the MSDS



**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 730

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Storage temperature: 5-30°C

**Tariff Code:** 320649

**Notes:**

Not Available

## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australasia)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77499 [Iron Oxides]	1317-61-9	Listed	Listed	Listed - 1317-61-9	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed - 56-81-5	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed - 7732-18-5	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed - 11138-66-2	Listed	Listed
Sodium Citrate	68-04-2	Listed	Listed	Listed - 68-04-2	Listed	Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77499 [Iron Oxides]	1317-61-9	Listed	Listed	Listed	Listed
Glycerin	56-81-5	Listed	Listed	Listed	Listed
Aqua [Water]	7732-18-5	Listed	Listed	Listed	Listed
Xanthan Gum	11138-66-2	Listed	Listed	Listed	Listed
Sodium Citrate	68-04-2	Listed	Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77499 [Iron Oxides]	1317-61-9	Listed - Annex IV, Entry 137	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Glycerin	56-81-5	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Listed - 2019
Aqua [Water]	7732-18-5	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Xanthan Gum	11138-66-2	Not Listed - Allowed in all cosmetics	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
Sodium Citrate	68-04-2	Not Listed - Allowed in cosmetics	Listed - IECIC 2021	Not Listed - Allowed in cosmetic	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

## **Certificat CITES / CITES Statement**

Nous certifions que la matière en référence ne contient pas d'ingrédient dérivé d'espèce présente sur les listes de la convention CITES.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain any ingredients derived from a species on the CITES listing

This information is based on our current knowledge.

## Traces CMR / CMR Traces

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.

### CMR Ingredients

Substance name	CAS	Max Quantity, ppm	Legislation amendment	Category of CMR
Benzo(a)pyrene	50-32-8	0.005	CLP (601-032-00-3)	Carc. 1B, Muta. 1B, Repr. 1B

## **Pesticides (Food Regulation)**

Nous certifions que la matière en référence, issue du végétal, est en conformité avec le règlement (CE) n°396/2005 et ses adaptations, fixant les limites maximales applicables aux résidus de pesticides présents dans ou sur les denrées alimentaires et les aliments pour animaux, d'origines végétale et animale.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that our material in reference, from vegetal origin, complies with Regulation (EC) No. 396/2005 and its amendments regarding the maximum residue levels of pesticides in or on food and feed of plant and animal origin.

This information is based on our current knowledge.

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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.

## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelqu'en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation depuis la date ci-dessous.

Des tests sur animaux ont ou peuvent uniquement être réalisés après la date ci-dessous dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

Date du dernier test sur animaux (Sensient Cosmetic Technologies) : 31/12/1990

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since the date below.

Animal testing has or can only be conducted after the date below within the context of Sensient Cosmetic Technologies obligations for REACH.

Date of the latest animal testing (Sensient Cosmetic Technologies): 31/12/1990



## **Certificat Gluten / Gluten Statement**

Nous certifions que le produit mentionné ci-dessus ne contient pas de traces de gluten.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain gluten.

This information is based on our current knowledge.

### **Nagoya (before 2014/10/12)**

Nous certifions que le(s) Plante(s), servant à fabriquer le(s) ingrédient(s) entrant dans la matière en référence, n'est (ne sont) pas concernée(s) par le Protocole de Nagoya. En effet, aucune activité de recherche et de développement sur la composition génétique et/ou biochimique de ressources génétiques n'a été réalisée après le 12 Octobre 2014.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the Plant(s) which is/are used for manufacturing the ingredient(s) present in the material in reference is/are not affected by the Nagoya Protocol. Indeed, no research and development on the genetic and/or biochemical composition of genetic resources have been conducted after October 12th, 2014.

This information is based on our current knowledge.



## Safety Data Sheet

### Covarine Black Wn 9798

Safety Data Sheet dated: 21 December 2022 - version 3

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: Covarine Black Wn 9798

Trade code: 9798

Registration Number See Paragraph 3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not determined

### 3.2. Mixtures

Mixture identification: Covarine Black Wn 9798

#### Hazardous components within the meaning of the CLP regulation and related classification:

None

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**4.2. Most important symptoms and effects, both acute and delayed**

Not determined

**4.3. Indication of any immediate medical attention and special treatment needed**

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

**5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

**5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

**6.3. Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

**6.4. Reference to other sections**

See also section 8 and 13

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

**7.3. Specific end use(s)**

Recommendation(s)

Storage temperature: 5-30°C

Industrial sector specific solutions:

None in particular

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**SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Liquid

Odour: Characteristic

pH: 7.00

Kinematic viscosity: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not Established

Upper/lower flammability or explosive limits: Not determined

Vapour density: Not determined

Vapour pressure: Not determined

Relative density: Not determined

Solubility in water: Dispersible

Solubility in oil: Not miscible

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: Not determined

Nanoforms: Does not contain nanoform according to REACH regulation

### 9.2. Other information

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

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## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Toxicological Information of the Preparation**

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral > 2000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

**11.2 Information on other hazards**

**Endocrine disrupting properties:**

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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**SECTION 12: Ecological information**

**12.1. Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**12.2. Persistence and degradability**

Not Available

**12.3. Bioaccumulative potential**

Not Available

**12.4. Mobility in soil**

Not Available

**12.5. Results of PBT and vPvB assessment**

No PBT or vPvB substances present in concentration  $\geq 0.1\%$

**12.6 Endocrine disrupting properties**

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

**12.7 Other adverse effects**

Not Available

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Recover if possible. In so doing, comply with the local and national regulations currently in force.

German Water Hazard Class Class 1: slightly hazardous for water.

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**SECTION 14: Transport information**

**14.1. UN number or ID number**

N/A

**14.2. UN proper shipping name**

ADR-Shipping Name: N/A  
IATA-Shipping Name: N/A  
IMDG-Shipping Name: N/A

**14.3. Transport hazard class(es)**

ADR-Class: N/A  
IATA-Class: N/A  
IMDG-Class: N/A

**14.4. Packing group**

ADR-Packing Group: N/A  
IATA-Packing group: N/A  
IMDG-Packing group: N/A

**14.5. Environmental hazards**

Toxic ingredients quantity: 0.00  
Very toxic ingredients quantity: 0.00  
Marine pollutant: No  
Environmental Pollutant: No  
IMDG-EMS: N/A

**14.6. Special precautions for user**

Road and Rail (ADR-RID):

ADR exempt: No  
ADR-Label: N/A  
ADR - Hazard identification number: N/A  
ADR-Special Provisions: N/A  
ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A  
IATA-Cargo Aircraft: N/A  
IATA-Label: N/A  
IATA-Subsidiary hazards: N/A  
IATA-Erg: N/A  
IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A  
IMDG-Stowage Note: N/A  
IMDG-Subsidiary hazards: N/A  
IMDG-Special Provisions: N/A

**14.7. Maritime transport in bulk according to IMO instruments**

Not Available

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Dir. 98/24/EC (Risks related to chemical agents at work)
- Dir. 2000/39/EC (Occupational exposure limit values)
- Regulation (EC) n. 1907/2006 (REACH)
- Regulation (EC) n. 1272/2008 (CLP)
- Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
- Regulation (EU) n. 286/2011 (ATP 2 CLP)
- Regulation (EU) n. 618/2012 (ATP 3 CLP)
- Regulation (EU) n. 487/2013 (ATP 4 CLP)
- Regulation (EU) n. 944/2013 (ATP 5 CLP)
- Regulation (EU) n. 605/2014 (ATP 6 CLP)
- Regulation (EU) n. 2016/918 (ATP 8 CLP)
- Regulation (EU) n. 2016/1179 (ATP 9 CLP)
- Regulation (EU) n. 2017/776 (ATP 10 CLP)
- Regulation (EU) n. 2018/669 (ATP 11 CLP)
- Regulation (EU) n. 2019/521 (ATP 12 CLP)
- Regulation (EU) n. 2018/1480 (ATP 13 CLP)
- Regulation (EU) n. 2020/217 (ATP 14 CLP)
- Regulation (EU) n. 2020/1182 (ATP 15 CLP)



Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 CLP)  
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

Class 1: slightly hazardous for water.

**Lagerklasse according to TRGS 510:**

LGK 10

SVHC Substances:

None > 0.1%

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for the mixture.

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**SECTION 16: Other information**

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information

PRODUCT CODE: 9798  
 PRODUCT NAME: COVARINE BLACK WN 9798  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 10/26/2021

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
Glycerin	Glycerol	56-81-5	200-289-5	Exempted (Annex V)	-
Aqua [Water]	Water	7732-18-5	231-791-2	Exempted (Annex IV)	-
Xanthan Gum	Xanthan Gum	11138-66-2	234-394-2	Exempted (Annex V)	-
CI 77499 [Iron Oxides]	Triiron tetraoxide	1317-61-9	215-277-5	Registered	01-2119457646-28-XXXX
Sodium Citrate	Trisodium citrate	68-04-2	200-675-3	Registered	01-2119457027-40-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

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### Description du produit / Product Description

Natural water-based dispersion of Unipure Black LC 988 in a water/glycerin mixture / Dispersion aqueuse et naturelle de l'Unipure Black LC 988 dans un mélange eau/glycérine.  
 New generation of high purity black iron oxide / Nouvelle génération d'oxyde de fer noir de haute pureté.  
 Ecocert and COSMOS standard compliance / Conformité au standard Ecocert et COSMOS.

### Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

#### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77499	-	1317-61-9	215-277-5	Annex IV	Permitted	E 172	EU-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not Listed	Permitted	-	EU-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not Listed	Permitted	-	EU-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not Listed	Permitted	-	EU-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not Listed	Permitted	-	EU-A	Ingredient

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Iron oxides	-	1317-61-9	215-277-5	73.2250	Exempted	USA-B	Pigment

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Glycerin	-	56-81-5	200-289-5	-	-	USA-A	Ingredient
Water	-	7732-18-5	231-791-2	-	-	USA-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	-	-	USA-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	-	-	USA-A	Ingredient

\*When listed, 21 CFR requirements are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - CHINA

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
CI 77499	-	1317-61-9	215-277-5	Annex VI	Compliant	CH-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	CH-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	CH-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	CH-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not listed - Permitted	-	CH-A	Ingredient

\*When compliant, requirements described in the Technical Standard are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	JSQI Tar Color MHLW 31/1966*	Note	Function
Black Oxide of Iron	-	1317-61-9	215-277-5	Not listed - Permitted	Black Oxide of Iron	JP-A	Pigment
Glycerin	-	56-81-5	200-289-5	Not listed - Permitted	-	JP-A	Ingredient
Aqua	-	7732-18-5	231-791-2	Not listed - Permitted	-	JP-A	Ingredient
Xanthan Gum	-	11138-66-2	234-394-2	Not listed - Permitted	-	JP-A	Ingredient
Sodium Citrate	-	68-04-2	200-675-3	Not listed - Permitted	-	JP-A	Ingredient

\*When listed, requirements for the Tar Color are met.

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"-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of this product and its owns applications.

\*\*This table is not applicable for hair dyes.

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### Notes:

EU-A Permitted in all cosmetics.  
 EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 EU-C Permitted in all cosmetics with restrictions as hair dye.  
 EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
 EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
 EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
 EU-G Not permitted.  
 EU-H Permitted as Hair-dye only with restrictions.  
 EU-I Permitted in all cosmetics except as hair dye.  
 EU-J Permitted in all cosmetics with restrictions.  
 EU-K Permitted only for rinse-off products.  
 EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
 USA-A Not regulated, permitted in all cosmetics.  
 USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-C For coloring cosmetics generally.  
 USA-D For coloring externally applied cosmetics.  
 USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
 USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
 USA-J For use in toothpastes at not more than 0.1%.  
 USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
 USA-L Not permitted.  
 USA-M For coloring cosmetics generally; except eye area.  
 USA-N Not permitted as color additive. Permitted as Hair dye.  
 USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
 USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
 USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
 USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
 USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
 CH-A Permitted in all cosmetics.  
 CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Viscous liquid			
Odor			Characteristic			
Color			Black			

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PRODUCT CODE: 9798  
 PRODUCT NAME: COVARINE BLACK WN 9798  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 10/26/2021

### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
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### Physique / Physical

#### Physical and Sensorial Test

#### Target

Specific gravity (g/cm <sup>3</sup> ) / Masse volumique						1.8 - 2.2
Pigment content / Teneur en pigment						50 - 60%
Fastness to light / Stabilité lumière						Very good / Très bonne
Fastness to alkali / Stabilité alcalis						Very good / Très bonne

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	3 ppm
Arsenic	1 ppm
Mercury	0.5 ppm
Cobalt	15 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	2 ppm
Barium	5 ppm
Copper	10 ppm
Chromium	20 ppm
Zinc	20 ppm

## Propriétés cosmétiques / Cosmetic properties

Ready to use dispersion, milling-free solution / Dispersion prête à l'emploi, solution sans broyage  
 Immediate adjustment of shades with simple stirring / Ajustement immédiat des teintes par simple agitation  
 Excellent stability / Excellente stabilité  
 High chemical and microbiological purity / Pureté chimique et microbiologique élevée  
 High compatibility with aqueous cosmetic media / Compatibilité importante avec les milieux cosmétiques aqueux  
 Good performances in natural O/W emulsions and aqueous gels / Bonnes performances dans les émulsions H/E et les gels aqueux naturels.

## Utilisations conseillées / Suggested uses

Skin care / Produits de soins	0.01 - 5%
Sun care products / Produits solaires	0.01 - 5%
Face make-up / Maquillage visage	0.1 - 20%
Lip make-up / Maquillage lèvres	0.1 - 20%
Eye make-up / Maquillage yeux	0.1 - 20%
Soap / Savon	0.1 - 25%

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: 9798  
PRODUCT NAME: COVARINE BLACK WN 9798  
COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
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Nail varnish / Vernis à ongles	0.1 - 25%
Hair product / Produit capillaire	0.1 - 15%

## List of Item Specifications

<b>Product</b>	LC188
<b>Product description</b>	UNIPURE YELLOW LC188
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Appearance	POWDER	POWDER	10-010
Color	YELLOW	YELLOW	10-021
Odour	NONE	NONE	10-022
Water solubility	INSOLUBLE	INSOLUBLE	10-046
Full shade (delta E < 1,2)	Passed	Passed	10-125
Müller blasting (delta E<1,2)	Passed	Passed	10-126
Antimony (ppm)	0	10	10-210
Arsenic (ppm)	0	1.0	10-213
Barium (ppm)	0	5	10-210
Cadmium (ppm)	0	1.0	10-210
Chromium (ppm)	0	25	10-210
Cobalt (ppm)	0	15	10-210
Copper (ppm)	0	10	10-210
Iron (%)	60.0	100.0	10-139
Lead (ppm)	0	3	10-210
Mercury (ppm)	0	.5	10-213
Nickel (ppm)	0	10	10-210
Selenium (ppm)	0	10.0	10-210
Zinc (ppm)	0	35	10-210
Pseudomonas Aeruginosa(Neg/1g)	Passed	Passed	ISO 22717
Candida Albicans (Neg/1g)	Passed	Passed	ISO 18416
Staphylococcus Aureus(Neg/1g)	Passed	Passed	ISO 22718

## List of Item Specifications

<b>Product</b>	LC188
<b>Product description</b>	UNIPURE YELLOW LC188
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Escherichia Coli (Neg/1g)	Passed	Passed	ISO 21150
Total Plate Count (CFU/g)	0	100	10-123
Yeasts and molds (CFU/g)	0	100	10-123

## UNIPURE YELLOW LC188

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- Présentation de l'entreprise et recommandations / Identity of the company and recommandations
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- Allergènes / Allergens
- California Proposition 65
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- Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology
- Durée de Vie, Température et Conditions de Stockage / Shelf life, Temperature and Storage
- Inventaires chimiques et cosmétiques / Chemical and cosmetic inventories
- Autres certificats et informations / Other Certificates and information
- Additifs / Additives
- Traces CMR / CMR Traces
- Certificat Silice cristalline / Crystalline Silica Statement
- Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)
- Non Test sur Animaux / Non Animal Testing

Created By Suton, Aurelien -France Checked by Brac De La Perriere, Camille -France Date 3/18/2022

Ce document électronique ne nécessite pas de signature pour être valide.

This electronic document does not need a signature to be valid.

**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: LC188-CN

Product Name: UNIPURE YELLOW LC188

**E Number:** Not Applicable

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
102				
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

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**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.

## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;



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**Informations Réglementaires / Regulatory Information**

**Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

**Code of Federal Regulations (CFR) Title 21**

Les colorants et leurs additifs sont en accord avec la FD&C act, Sec.721, 21 U.S.C. 379e, 21 CFR parts 70 et 80.

Ces informations sont basées sur nos connaissances actuelles

The colorant and its additives are compliant with FD&C Act, Sec. 721; 21 U.S.C. 379e; 21 CFR Parts 70 and 80.

This information is based on our current knowledge.

## **Autres conformités / Other Certificates and Information**

### **Religious Status**

#### **Kosher:**

The product is eligible for Kosher certification.

#### **Carmines:**

This product does not contain Carmines.

#### **Halal:**

The product is eligible for Halal certification.

### **Dietary Status**

#### **Vegan Statement**

This product is Suitable for vegans.

### **GMO Status**

#### **GMO Statement**

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### **Huile de palme / Palm Oil Status**

Does not contain palm oil or palm oil derivatives

### **BSE/TSE**

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.

### Naturalness

According to our interpretation of the ISO 16128 standard, parts 1 and 2, the Natural Content and Natural Origin Content of the material in reference are the following. Calculations were made according to guidelines issued by French professional associations (INGRECOS, FEBEA) in the draft report submitted to ISO and including formulation water. This information is based on our current knowledge.

### Naturalité / Naturality

Type	Index
Contenu d'origine naturel / Natural Derived Content (norme/norm ISO 16128)	100%
Contenu Naturel / Natural Content (norme/norm ISO 16128)	0%

### Origine / Origin

Country of origin for the product: United States

Description	Source	Species	Part	* Country of Origin	Type
-------------	--------	---------	------	---------------------	------

CI 77492 [Iron Oxides]

Mineral, Synthetic

-

-

-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. / Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.

## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		
Pathogenic Bacteria	0	0		/ gram		

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	3 ppm
Arsenic	1 ppm
Mercury	0.5 ppm
Cobalt	15 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	10 ppm
Barium	5 ppm
Copper	10 ppm
Chromium	25 ppm
Zinc	35 ppm

### Residual Solvent - Class 1

**Class 1 Solvents** Qty (Max)

None

### Residual Solvent - Class 2

**Class 2 Solvents** Qty (Max)

None

### Residual Solvent - Class 3

**Class 3 Solvents** Qty (Max)

None

### Residual Solvent - Non-classified

**Solvents** Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
	0.000 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phthalate	85-68-7	0 ppm	Absent
DEHP	Bis (2-Ethylhexyl) Phthalate	117-81-7	0 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phthalate	117-82-8	0 ppm	Absent
DBP	Dibutyl Phthalate	84-74-2	0 ppm	Absent

DNOP	Di-n-Octyl Phtalate	117-84-0	0 ppm	Absent
DPP	Di-n-Pentyl Phtalate	131-16-8	0 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyle)	111-96-6	0 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11 â€”tetraoxadodecane	112-49-2	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Traces, sous-produits et impurétés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
PAH	0.010 ppm	Present
Asbestos	0 ppm	Not applicable
Free amines	0 ppm	Not applicable
Diethanolamine	0 ppm	Not applicable
Diethylene Glycol	0 ppm	Not applicable
Formaldehyde	0 ppm	Not applicable
Microcrystalline silica	0 ppm	Not applicable
Nitrosamines	0 ppm	Not applicable
Nonylphenol, Nonoxynol	0 ppm	Not applicable
Ethylene oxide	0 ppm	Not applicable
Propylene oxide	0 ppm	Not applicable
Sulfites	0 ppm	Not applicable
Triethanolamine	0 ppm	Not applicable
1,4 - Dioxane	0 ppm	Not applicable
D4	0 ppm	Not applicable
D5	0 ppm	Not applicable
D6	0 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

susceptible d'avoir cette impureté.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1 ppm
Lead	< 3 ppm
Arsenic	< 1 ppm
Mercury	< 0.5 ppm
Cobalt	< 15 ppm
Nickel	< 10 ppm
Selenium	< 10 ppm
Antimony	< 10 ppm
Barium	< 5 ppm
Copper	< 10 ppm
Chromium	< 25 ppm
Zinc	< 35 ppm

Ces informations sont basées sur nos connaissances actuelles

This information is based on our current knowledge.



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**Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)**

**Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des réglementations limitant l'utilisation des Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today in regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates

**Règlement suisse / Swiss Regulation**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today of the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates

## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

FDA - EEC Positive lists

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 5000.00000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect - (ETAD/BCMA 1993)
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect - (ETAD/BCMA 1993)
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

Iron Oxide Yellow	a) acute toxicity	LD50 Oral Rat > 10000.00000 mg/kg	During an observation time of 14 days none of the animals showed signs of toxicity or died.
	b) skin corrosion/irritation	Skin Irritant Rabbit No 24h	
	c) serious eye damage/irritation	Eye Irritant Rabbit No	observation period 7 days

### List of Eco-Toxicological properties of the components

Component	Ecotox Data
Iron Oxide Yellow	a) Aquatic acute toxicity : EC0 Fish Brachydanio rerio >= 1000000.00000 mg/L 96h OECD 203  a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna >= 100.00000 mg/L 48h OECD 202

### Matière Colorante / Dye

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This/these colorant(s) is/are regulated by positive lists. We are not required to conduct tests to prove their safety as this has already been established by the regulation.

Les matières colorantes sont régies par des listes positives. De ce fait, nous ne sommes pas tenus d'effectuer des tests pour démontrer leur innocuité qui est acquise par le législateur

Toxicological information:  
Refer to the MSDS

**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 3650

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Temperature < 25°C

**Tariff Code:** 320649

**Notes:**

Not Available

## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australia)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed - 51274-00-1	Listed	Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77492 [Iron Oxides]	51274-00-1	Listed - Annex IV, Entry 136	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics.	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

### **Traces CMR / CMR Traces**

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

#### **CMR Ingredients**

**Not Available**

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.

## **Certificat Silice cristalline / Crystalline Silica Statement**

La matière en référence n'est pas susceptible de contenir de la silice cristalline.

Ces informations sont basées sur nos connaissances actuelles

The material is not likely to contain silica.

This information is based on our current knowledge.



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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.

## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelque en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation, depuis le 1er janvier 2000 .

Des tests sur animaux ont ou peuvent uniquement être réalisés après cette date dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since January 1, 2000.

Animal testing has or can only be conducted after this date within the context of Sensient Cosmetic Technologies obligations for REACH.

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## Safety Data Sheet

### Unipure Yellow Lc188

Safety Data Sheet dated: 21 December 2022 - version 3

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Identification of the substance:

UNIPURE YELLOW LC 188  
Trade name: Unipure Yellow Lc188  
Trade code: LC188-CN  
EC number: 257-098-5  
Registration Number 01-2119457554-33-XXXX

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies  
7-9, Rue de l'industrie  
F-95310 SAINT OUEN L'AUMONE,  
France  
Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

This substance has no PBT, vPvB or endocrine disrupting properties

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

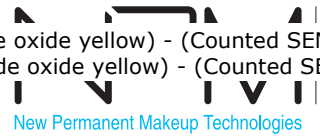
Substance Identifications:	Iron Oxide Yellow
CAS number:	51274-00-1
EC number:	257-098-5
Registration Number	01-2119457554-33-XXXX

#### Nanofoms characteristics:

Names of (Sets of) nanoform(s): Iron hydroxide oxide yellow

Particle size distribution:

D50: > 0 nm <= 100 nm (Iron hydroxide oxide yellow) - (Counted SEM)  
Mean: > 0 nm <= 100 nm (Iron hydroxide oxide yellow) - (Counted SEM)



INAL

### 3.2. Mixtures

Not determined

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not determined

### 4.3. Indication of any immediate medical attention and special treatment needed

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

---

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Temperature < 25°C

Industrial sector specific solutions:

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Solid

Odour: Odorless

pH: Not determined

Kinematic viscosity: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: 1000 °C (1832 °F)

Flash point: Not Applicable

Upper/lower flammability or explosive limits: Not determined

Vapour density: Not determined

Vapour pressure: Not determined

Relative density: Not determined

Solubility in water: Insoluble

Solubility in oil: Not determined

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: For more information, please refer to our Particle Size Statement

Nanoforms: See Nanoform information in Section 3.

### 9.2. Other information

Explosive properties: ST0

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

P101\_2157

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

P10\_1817

## 10.5. Incompatible materials

P10\_1818

## 10.6. Hazardous decomposition products

P10\_1819

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information:

FDA - EEC Positive lists

#### Toxicological Information of the Substance

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 5000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect - (ETAD/BCMA 1993)
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect - (ETAD/BCMA 1993)
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### 11.2 Information on other hazards

#### Endocrine disrupting properties:

This substance has no endocrine disrupting properties

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Component	Ecotox Data
Iron Oxide Yellow	a) Aquatic acute toxicity : ECO Fish Brachydanio rerio $\geq$ 1000000 mg/L 96h OECD 203
	a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna $\geq$ 100 mg/L 48h OECD 202

### 12.2. Persistence and degradability

Not Available

### 12.3. Bioaccumulative potential

Not Available

### 12.4. Mobility in soil

Not Available

### 12.5. Results of PBT and vPvB assessment

This substance has no PBT or vPvB properties

**12.6 Endocrine disrupting properties**

This substance has no endocrine disrupting properties

**12.7 Other adverse effects**

Not Available

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Recover if possible. In so doing, comply with the local and national regulations currently in force.

German Water Hazard Class NWG: Not hazardous for water

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**SECTION 14: Transport information**

**14.1. UN number or ID number**

N/A

**14.2. UN proper shipping name**

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

**14.3. Transport hazard class(es)**

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

**14.4. Packing group**

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

**14.5. Environmental hazards**

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

**14.6. Special precautions for user**

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

**14.7. Maritime transport in bulk according to IMO instruments**

Not Available

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**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013



Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Regulation (EU) n. 2018/669 (ATP 11 CLP)  
Regulation (EU) n. 2019/521 (ATP 12 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

NWG: Not hazardous for water

**Lagerklasse according to TRGS 510:**

LGK 11

SVHC Substances:

None > 0.1%

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

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## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor  
BEI: Biological Exposure Index  
BOD: Biochemical Oxygen Demand  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 16: Other information

PRODUCT CODE: LC188-CN  
PRODUCT NAME: UNIPURE YELLOW LC188  
COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
DATE: 3/18/2022

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
CI 77492 [Iron Oxides]	Iron Oxide Yellow	51274-00-1	257-098-5	Registered	01-2119457554-33-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: LC188-CN  
 PRODUCT NAME: UNIPURE YELLOW LC188  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 3/18/2022

### Description du produit / Product Description

New generation of high purity yellow iron oxide / Nouvelle génération d'oxyde de fer jaune de haute pureté  
 Mineral pigment / Pigment minéral

### Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

#### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77492	-	51274-00-1	257-098-5	Annex IV	Permitted	E 172	EU-A	Colorant

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Iron oxides	-	51274-00-1	257-098-5	73.2250	Exempted	USA-B	Colorant

\*When listed, 21 CFR requirements are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - CHINA

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: LC188-CN  
 PRODUCT NAME: UNIPURE YELLOW LC188  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
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 DATE: 3/18/2022

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
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CI 77492	-	51274-00-1	257-098-5	Annex VI	Compliant	CH-A	Colorant
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\*When compliant, requirements described in the Technical Standard are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	JSQI Tar Color MHLW 31/1966*	Note	Function
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Yellow Oxide of Iron	-	51274-00-1	257-098-5	Not listed - Permitted	Yellow Oxide of Iron	Compliant	JP-A	Colorant
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\*When listed, requirements for the Tar Color are met.

"-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of this product and its own applications.

\*\*This table is not applicable for hair dyes.

## Technical Data Sheet

PRODUCT CODE: LC188-CN  
PRODUCT NAME: UNIPURE YELLOW LC188  
COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
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DATE: 3/18/2022

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### Notes:

EU-A Permitted in all cosmetics.  
EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
EU-C Permitted in all cosmetics with restrictions as hair dye.  
EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
EU-G Not permitted.  
EU-H Permitted as Hair-dye only with restrictions.  
EU-I Permitted in all cosmetics except as hair dye.  
EU-J Permitted in all cosmetics with restrictions.  
EU-K Permitted only for rinse-off products.  
EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
USA-A Not regulated, permitted in all cosmetics.  
USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
USA-C For coloring cosmetics generally.  
USA-D For coloring externally applied cosmetics.  
USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
USA-J For use in toothpastes at not more than 0.1%.  
USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
USA-L Not permitted.  
USA-M For coloring cosmetics generally; except eye area.  
USA-N Not permitted as color additive. Permitted as Hair dye.  
USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
CH-A Permitted in all cosmetics.  
CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: LC188-CN  
 PRODUCT NAME: UNIPURE YELLOW LC188  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 3/18/2022

make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Powder			
Color			Yellow			

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 DATE: 3/18/2022

### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
Water Solubility			Insoluble			

### Physique / Physical

#### Physical and Sensorial Test

#### Target

Water soluble matter / Matières solubles dans l'eau	1.0% max
Volatile matter (105°C) / Matières volatiles	1.0% max
Total iron / Fer	60% min
Fastness to light / Stabilité lumière	Good / Bonne

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	3 ppm
Arsenic	1 ppm
Mercury	0.5 ppm
Cobalt	15 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	10 ppm
Barium	5 ppm
Copper	10 ppm
Chromium	25 ppm
Zinc	35 ppm

## Propriétés cosmétiques / Cosmetic properties

### Propriétés cosmétiques / Cosmetic properties

Not Available

## Utilisations conseillées / Suggested uses

Face make-up / Maquillage visage	0.1 - 10%
Eye make-up / Maquillage yeux	0.1 - 30%
Lipstick / Rouge à lèvres	0.1 - 10%
Nail varnish / Vernis à ongles	0.1 - 10%
Skin care / Produits de soins	0.1 - 2%
Soap / Savon	0.1 - 2%
Tooth paste / Dentifrice	0.1 - 2%

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## Technical Data Sheet

PRODUCT CODE: LC188-CN  
PRODUCT NAME: UNIPURE YELLOW LC188  
COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
DATE: 3/18/2022

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## List of Item Specifications

<b>Product</b>	LC388
<b>Product description</b>	UNIPURE RED LC388
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Appearance	POWDER	POWDER	10-010
Color	RED	RED	10-021
Odour	NONE	NONE	10-022
Water solubility	INSOLUBLE	INSOLUBLE	10-046
Full shade (delta E < 1,2)	Passed	Passed	10-125
Müller blasting (delta E<1,2)	Passed	Passed	10-126
Antimony (ppm)	0	10	10-210
Arsenic (ppm)	0	1.0	10-213
Barium (ppm)	0	1	10-210
Cadmium (ppm)	0	1.0	10-210
Chromium (ppm)	0	25	10-210
Cobalt (ppm)	0	15	10-210
Copper (ppm)	0	10	10-210
Iron (%)	68.0	100.0	10-139
Lead (ppm)	0	3	10-210
Mercury (ppm)	0	.5	10-213
Nickel (ppm)	0	10	10-210
Selenium (ppm)	0	10.0	10-210
Zinc (ppm)	0	20	10-210
Pseudomonas Aeruginosa(Neg/1g)	Passed	Passed	ISO 22717
Candida Albicans (Neg/1g)	Passed	Passed	ISO 18416
Staphylococcus Aureus(Neg/1g)	Passed	Passed	ISO 22718

## List of Item Specifications

<b>Product</b>	LC388
<b>Product description</b>	UNIPURE RED LC388
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Escherichia Coli (Neg/1g)	Passed	Passed	ISO 21150
Total Plate Count (CFU/g)	0	100	10-123
Yeasts and molds (CFU/g)	0	100	10-123

## Safety Data Sheet

### Unipure Red Lc388

Safety Data Sheet dated: 21 December 2022 - version 5

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Identification of the substance:

UNIPURE RED LC 388  
Trade name: Unipure Red Lc388  
Trade code: LC388-CN  
EC number: 215-168-2  
Registration Number 01-2119457614-35-XXXX

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies  
7-9, Rue de l'industrie  
F-95310 SAINT OUEN L'AUMONE,  
France  
Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special Provisions:

EUH210 Safety data sheet available on request.

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

This substance has no PBT, vPvB or endocrine disrupting properties

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance Identifications:	Diiron Trioxide
CAS number:	1309-37-1
EC number:	215-168-2
Registration Number	01-2119457614-35-XXXX

**Nanoforms characteristics:**

Names of (Sets of) nanoform(s): Diiron trioxide  
Particle size distribution: D50: > 0 nm <= 100 nm (Diiron trioxide) - (Counted SEM)  
Mean: > 0 nm <= 100 nm (Diiron trioxide) - (Counted SEM)

**3.2. Mixtures**

Not determined

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**SECTION 4: First aid measures****4.1. Description of first aid measures**

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**4.2. Most important symptoms and effects, both acute and delayed**

Not determined

**4.3. Indication of any immediate medical attention and special treatment needed**

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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

**5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

**5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

---

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

**6.3. Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

**6.4. Reference to other sections**

See also section 8 and 13

---

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.  
Instructions regarding storage premises:  
Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Storage temperature < 25°C

Industrial sector specific solutions:

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

OEL Type	Country	Occupational Exposure Limit
ACGIH		Long Term: 5 mg/m <sup>3</sup> A4 - Not Classifiable as a Human Carcinogen;pneumoconiosis;
NATION AL	France	Long Term: 5 mg/m <sup>3</sup>
NATION AL	Spain	Long Term: 5 mg/m <sup>3</sup>
NATION AL	Finland	Long Term: 5 mg/m <sup>3</sup>
NATION AL	Portugal	Long Term: 5 mg/m <sup>3</sup>
NATION AL	Belgium	Long Term: 5 mg/m <sup>3</sup>
NATION AL	Poland	Long Term: 5 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup>
NATION AL	Russian Federation	Long Term: 6 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 5 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 5 mg/m <sup>3</sup> ; Short Term: 30 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 5 mg/m <sup>3</sup> ; Short Term: 12 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 10 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 4 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup>
NATION AL	France	Long Term: 10 mg/m <sup>3</sup>
ACGIH		Long Term: 5 mg/m <sup>3</sup> pneumoconiosis;A4 - Not Classifiable as a Human Carcinogen;
ACGIH		Long Term: 5 mg/m <sup>3</sup> A4 - Not Classifiable as a Human Carcinogen;pneumoconiosis
NATION AL	Australia	Long Term: 5 mg/m <sup>3</sup>
NATION AL	Australia	Long Term: 10 mg/m <sup>3</sup>
ACGIH		Long Term: 5 mg/m <sup>3</sup> pneumoconiosis;A4 - Not Classifiable as a Human Carcinogen
NATION AL	Russian Federation	Long Term: 0.4 mg/m <sup>3</sup>
NATION AL	Poland	Long Term: 2.5 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup>

## 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Solid

Odour: Not determined

pH: Not determined

Kinematic viscosity: Not determined

Melting point / freezing point: 1565 °C (2849 °F) Notes: 1565 °C

Initial boiling point and boiling range: 1000 °C (1832 °F)

Flash point: Not Applicable

Upper/lower flammability or explosive limits: Not determined

Vapour density: 0.0

Vapour pressure: Not determined

Relative density: 5.25 g/cm<sup>3</sup>

Solubility in water: Insoluble

Solubility in oil: Not determined

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: For more information, please refer to our Particle Size Statement

Nanoforms: See Nanoform information in Section 3.

### 9.2. Other information

Explosive properties: ST0

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Data not available.

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Data not available.

### 10.5. Incompatible materials

Data not available.

### 10.6. Hazardous decomposition products

Data not available.

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## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Toxicological Information of the Substance

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 5000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### 11.2 Information on other hazards

#### Endocrine disrupting properties:

This substance has no endocrine disrupting properties

---

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Component	Ecotox Data
Diiron Trioxide	a) Aquatic acute toxicity : LC50 Fish Danio rerio = 100000 mg/L 96h ECHA - static

### 12.2. Persistence and degradability

Not Available

### 12.3. Bioaccumulative potential

Not Available

### 12.4. Mobility in soil

Not Available

### 12.5. Results of PBT and vPvB assessment

This substance has no PBT or vPvB properties

### 12.6 Endocrine disrupting properties

This substance has no endocrine disrupting properties

### 12.7 Other adverse effects

Not Available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods



## SECTION 14: Transport information

### 14.1. UN number or ID number

N/A

### 14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

### 14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

### 14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

### 14.5. Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

### 14.7. Maritime transport in bulk according to IMO instruments

Not Available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

NWG: Not hazardous for water

**Lagerklasse according to TRGS 510:**

LGK 11

SVHC Substances:

None > 0.1%

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

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## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 16: Other information

## UNIPURE BROWN LC881

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Created By Loupias, Manon -France Checked by Lemetais, Aurelie -France Date 8/27/2021

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This electronic document does not need a signature to be valid.

**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: LC881

Product Name: UNIPURE BROWN LC881

**E Number:** Not Applicable

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799
India	R3, TTC Industrial Area, Off Thane Belapur Road, Rabale, Navi Mumbai 400701. INDIA	Ms. Amruta Raipurkar	Amruta.Raipurkar@sensient.com	00 91 22 2760 8801

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

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**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.

## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;

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**Informations Réglementaires / Regulatory Information**

**Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

**Code of Federal Regulations (CFR) Title 21**

Les colorants et leurs additifs sont en accord avec la FD&C act, Sec.721, 21 U.S.C. 379e, 21 CFR parts 70 et 80.

Ces informations sont basées sur nos connaissances actuelles

The colorant and its additives are compliant with FD&C Act, Sec. 721; 21 U.S.C. 379e; 21 CFR Parts 70 and 80.

This information is based on our current knowledge.



## **Autres conformités / Other Certificates and Information**

### **Religious Status**

#### **Kosher:**

The product is eligible for Kosher certification.

#### **Carmines:**

This product does not contain Carmines.

#### **Halal:**

The product is eligible for Halal certification.

### **Dietary Status**

#### **Vegan Statement**

This product is Suitable for vegans.

### **GMO Status**

#### **GMO Statement**

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### **Huile de palme / Palm Oil Status**

Does not contain palm oil or palm oil derivatives

### **BSE/TSE**

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.

## Naturalness

According to our interpretation of the ISO 16128 standard, parts 1 and 2, the Natural Content and Natural Origin Content of the material in reference are the following. Calculations were made according to guidelines issued by French professional associations (INGRECOS, FEBEA) in the draft report submitted to ISO and including formulation water. This information is based on our current knowledge.

### Naturalité / Naturality

Type	Index
Contenu d'origine naturel / Natural Derived Content (norme/norm ISO 16128)	100%
Contenu Naturel / Natural Content (norme/norm ISO 16128)	0%

### Origine / Origin

Description	Source	Species	Part	* Country of Origin	Type
CI 77491 [Iron Oxides]	Mineral, Synthetic	-	-	-	-
CI 77492 [Iron Oxides]	Mineral, Synthetic	-	-	-	-
CI 77499 [Iron Oxides]	Synthetic, Mineral	-	-	-	-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. / Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.

## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		
E.coli in 1 g	0	0			ISO 21150	
candida albicans in 1g	0	0			ISO 18416	
staphyl. aureus in 1g	0	0			ISO 22718	
Pseud. aeruginosa in 1g	0	0			ISO 22717	

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	3 ppm
Mercury	1 ppm
Cobalt	30 ppm
Nickel	50 ppm
Selenium	10 ppm
Antimony	10 ppm
Barium	50 ppm
Copper	50 ppm
Chromium	50 ppm
Zinc	100 ppm

### Residual Solvent - Class 1

Class 1 Solvents Qty (Max)

None

### Residual Solvent - Class 2

Class 2 Solvents Qty (Max)

None

### Residual Solvent - Class 3

Class 3 Solvents Qty (Max)

None

### Residual Solvent - Non-classified

Solvents Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
	0.000 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phthalate	85-68-7	0 ppm	Absent

DEHP	Bis (2-Ethylhexyl) Phtalate	117-81-7	0 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phtalate	117-82-8	0 ppm	Absent
DBP	Dibutyl Phtalate	84-74-2	0 ppm	Absent
DNOP	Di-n-Octyl Phtalate	117-84-0	0 ppm	Absent
DPP	Di-n-Pentyl Phtalate	131-16-8	0 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyle)	111-96-6	0 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11 tetraoxadodecane	112-49-2	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Traces, sous-produits et impuretés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
Asbestos	0 ppm	Not applicable
Free amines	0 ppm	Not applicable
Diethanolamine	0 ppm	Not applicable
Diethylene Glycol	0 ppm	Not applicable
Formaldehyde	0 ppm	Not applicable
Microcrystalline silica	0 ppm	Not applicable
Nitrosamines	0 ppm	Not applicable
Nonylphenol, Nonoxynol	0 ppm	Not applicable
Ethylene oxide	0 ppm	Not applicable
Propylene oxide	0 ppm	Not applicable
Sulfites	0 ppm	Not applicable
Triethanolamine	0 ppm	Not applicable
1,4 - Dioxane	0 ppm	Not applicable
D4	0 ppm	Not applicable
D5	0 ppm	Not applicable
D6	0 ppm	Not applicable
Magnesium Oxide included in Black Iron Oxide (CAS 1317-61-9)	2000.000 ppm	Present
Alumina included in Black Iron Oxide (CAS 1317-61-9)	2000.000 ppm	Present

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Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1 ppm
Lead	< 10 ppm
Arsenic	< 3 ppm
Mercury	< 1 ppm
Cobalt	< 30 ppm
Nickel	< 50 ppm
Selenium	< 10 ppm
Antimony	< 10 ppm
Barium	< 50 ppm
Copper	< 50 ppm
Chromium	< 50 ppm
Zinc	< 100 ppm

Ces informations sont basées sur nos connaissances actuelles

This information is based on our current knowledge.

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**Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)**

**Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des réglementations limitant l'utilisation des Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today in regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates

**Règlement suisse / Swiss Regulation**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today of the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates



## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

FDA-EEC : positive lists

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral > 2000.00000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

Diiron Trioxide	a) acute toxicity	LD50 Oral Rat > 10000 mg/kg	
Triiron tetraoxide	a) acute toxicity	LD50 Oral Rat > 5000.00000 mg/kg No Observed Adverse Effect Level Inhalation Rat = 4.70000 mg/m <sup>3</sup> LD50 Oral Rat > 10000 mg/kg	Standard acute method OECD 413
	b) skin corrosion/irritation	Skin Irritant Rabbit No Irritant effect 24h	OCDE 404
	c) serious eye damage/irritation	Eye Irritant Rabbit No Irritant effect	OCDE 405
	d) respiratory or skin sensitisation	Respiratory Sensitization Rat 5000.00000 mg/kg	
	f) carcinogenicity	Carcinogenicity Rat Negative Genotoxicity Negative	OCDE 473 OCDE 471 - In vitro mammalian chromosome aberration test: OCDE 473 (hamster) - Reverse mutation assay (Ames test): OCDE 471 (Salmonella typhimurium)

g) reproductive toxicity    Reproductive Toxicity Negative

**List of Eco-Toxicological properties of the components**

<b>Component</b>	<b>Ident. Numb.</b>	<b>Ecotox Data</b>
Triiron tetraoxide	CAS: 1317-61-9 - EINECS: 215-277-5	c) Bacteria toxicity : EC0 > 1000.00000 mg/L DZLOLI1 - Static test EU C.2  a) Aquatic acute toxicity : LC0 Fish > 1000.00000 mg/L 48h - Static test OCDE 203

**Matière Colorante / Dye**

This/these colorant(s) is/are regulated by positive lists. We are not required to conduct tests to prove their safety as this has already been established by the regulation.

Les matières colorantes sont régies par des listes positives. De ce fait, nous ne sommes pas tenus d'effectuer des tests pour démontrer leur innocuité qui est acquise par le législateur

Toxicological information:  
Refer to the MSDS

**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 3650

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Storage temperature < 25°C

**Tariff Code:** 282110

**Notes:**

Not Available

## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australie)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77491 [Iron Oxides]	1309-37-1	Listed	Listed	Listed - 1309-37-1	Listed	Listed
CI 77499 [Iron Oxides]	1317-61-9	Listed	Listed	Listed - 1317-61-9	Listed	Listed
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed - 51274-00-1	Listed	Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77491 [Iron Oxides]	1309-37-1	Listed	Listed	Listed	Listed
CI 77499 [Iron Oxides]	1317-61-9	Listed	Listed	Listed	Listed
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77491 [Iron Oxides]	1309-37-1	Listed - Annex IV, Entry 135	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
CI 77499 [Iron Oxides]	1317-61-9	Listed - Annex IV, Entry 137	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019
CI 77492 [Iron Oxides]	51274-00-1	Listed - Annex IV, Entry 136	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics.	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

## **Traces CMR / CMR Traces**

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

### **CMR Ingredients**

**Not Available**

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.

## **Certificat Silice cristalline / Crystalline Silica Statement**

La matière en référence n'est pas susceptible de contenir de la silice cristalline.

Ces informations sont basées sur nos connaissances actuelles

The material is not likely to contain silica.

This information is based on our current knowledge.

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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.



## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelque en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation, depuis le 1er janvier 2000 .

Des tests sur animaux ont ou peuvent uniquement être réalisés après cette date dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since January 1, 2000.

Animal testing has or can only be conducted after this date within the context of Sensient Cosmetic Technologies obligations for REACH.

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## Safety Data Sheet

### Unipure Brown Lc881

Safety Data Sheet dated: 21 December 2022 - version 3

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: Unipure Brown Lc881

Trade code: LC881

Registration Number See Paragraph 3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not determined

### 3.2. Mixtures

Mixture identification: Unipure Brown Lc881

#### Nanoforms characteristics:

Names of (Sets of) nanoform(s): Diiron trioxide  
Iron hydroxide oxide yellow

Particle size distribution: D50:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Diiron trioxide) - (Counted SEM)  
Mean:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Diiron trioxide) - (Counted SEM)  
D50:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Iron hydroxide oxide yellow) - (Counted SEM)

---

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not determined

### 4.3. Indication of any immediate medical attention and special treatment needed

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

---

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Storage temperature < 25°C

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

No data available

### **8.2. Exposure controls**

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

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## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Physical State: Solid

Odour: Odorless

pH: Not determined

Kinematic viscosity: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not Applicable

Upper/lower flammability or explosive limits: Not determined

Vapour density: Not determined

Vapour pressure: Not determined

Relative density: Not determined

Solubility in water: Insoluble

Solubility in oil: Insoluble

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### **Particle characteristics:**

Particle size: For more information, please refer to our Particle Size Statement

Nanoforms: Contains at least one nanoform

### **9.2. Other information**

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

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## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Stable under normal conditions

### **10.2. Chemical stability**

Data not available.

### **10.3. Possibility of hazardous reactions**

None.

### **10.4. Conditions to avoid**

Stable under normal conditions.

### **10.5. Incompatible materials**

None in particular.

### **10.6. Hazardous decomposition products**

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information:

FDA-EEC : positive lists

#### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral > 2000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### 11.2 Information on other hazards

#### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

### 12.2. Persistence and degradability

Not Available

### 12.3. Bioaccumulative potential

Not Available

### 12.4. Mobility in soil

Not Available

### 12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration  $\geq 0.1\%$

### 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7 Other adverse effects

Not Available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

**SECTION 14: Transport information**

**14.1. UN number or ID number**

N/A

**14.2. UN proper shipping name**

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

**14.3. Transport hazard class(es)**

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

**14.4. Packing group**

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

**14.5. Environmental hazards**

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

**14.6. Special precautions for user**

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

**14.7. Maritime transport in bulk according to IMO instruments**

Not Available

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

NWG: Not hazardous for water

**Lagerklasse according to TRGS 510:**

LGK 11

SVHC Substances:

None > 0.1%

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report



DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 16: Other information

PRODUCT CODE: LC881  
 PRODUCT NAME: UNIPURE BROWN LC881  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 8/27/2021

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
CI 77491 [Iron Oxides]	Diiron Trioxide	1309-37-1	215-168-2	Registered	01-2119457614-35-XXXX
CI 77499 [Iron Oxides]	Triiron tetraoxide	1317-61-9	215-277-5	Registered	01-2119457646-28-XXXX
CI 77492 [Iron Oxides]	Iron Oxide Yellow	51274-00-1	257-098-5	Registered	01-2119457554-33-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

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 DATE: 8/27/2021

### Description du produit / Product Description

New generation of high purity black, red and yellow iron oxides / Nouvelle génération d'oxyde de fer noir, rouge et jaune de haute pureté.  
 Mineral pigment / Pigment minéral

### Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

#### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77491	-	1309-37-1	215-168-2	Annex IV	Permitted	E 172	EU-A	Pigment
CI 77492	-	51274-00-1	257-098-5	Annex IV	Permitted	E 172	EU-A	Pigment
CI 77499	-	1317-61-9	215-277-5	Annex IV	Permitted	E 172	EU-A	Pigment

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Iron oxides	-	1309-37-1	215-168-2	73.2250	Exempted	USA-B	Pigment
Iron oxides	-	51274-00-1	257-098-5	73.2250	Exempted	USA-B	Pigment
Iron oxides	-	1317-61-9	215-277-5	73.2250	Exempted	USA-B	Pigment

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

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 DATE: 8/27/2021

\*When listed, 21 CFR requirements are met.  
 "-" means not applicable.

### Cosmetic Compliance (including amendments) - CHINA

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
CI 77491	-	1309-37-1	215-168-2	Annex VI	Compliant	CH-A	Pigment
CI 77492	-	51274-00-1	257-098-5	Annex VI	Compliant	CH-A	Pigment
CI 77499	-	1317-61-9	215-277-5	Annex VI	Compliant	CH-A	Pigment

\*When compliant, requirements described in the Technical Standard are met.  
 "-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	JSQI Tar Color MHLW 31/1966*	Note	Function
Red Oxide of Iron		1309-37-1	215-168-2	Not listed - Permitted	Red Oxide of Iron -	JP-A	Pigment
Black Oxide of Iron		51274-00-1	257-098-5	Not listed - Permitted	Black Oxide of Iron -	JP-A	Pigment
Yellow Oxide of Iron		1317-61-9	215-277-5	Not listed - Permitted	Yellow Oxide of Iron -	JP-A	Pigment

\*When listed, requirements for the Tar Color are met.  
 "-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of

## Technical Data Sheet

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this product and its owns applications.

\*\*This table is not applicable for hair dyes.

## Technical Data Sheet

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### Notes:

EU-A Permitted in all cosmetics.  
EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
EU-C Permitted in all cosmetics with restrictions as hair dye.  
EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
EU-G Not permitted.  
EU-H Permitted as Hair-dye only with restrictions.  
EU-I Permitted in all cosmetics except as hair dye.  
EU-J Permitted in all cosmetics with restrictions.  
EU-K Permitted only for rinse-off products.  
EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
USA-A Not regulated, permitted in all cosmetics.  
USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
USA-C For coloring cosmetics generally.  
USA-D For coloring externally applied cosmetics.  
USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
USA-J For use in toothpastes at not more than 0.1%.  
USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
USA-L Not permitted.  
USA-M For coloring cosmetics generally; except eye area.  
USA-N Not permitted as color additive. Permitted as Hair dye.  
USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
CH-A Permitted in all cosmetics.  
CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: LC881  
 PRODUCT NAME: UNIPURE BROWN LC881  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 8/27/2021

make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Powder			
Color			Brown			

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## Technical Data Sheet

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 DATE: 8/27/2021

### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
Water Solubility			Insoluble			

### Physique / Physical

#### Physical and Sensorial Test

#### Target

Water soluble matter / Matières solubles dans l'eau	0.3% max
Volatile matter (105°C) / Matières volatiles	1% max
Fastness to light / Stabilité lumière	Good / Bonne
Equivalent aluminium content (by calculation)	1% max

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	3 ppm
Mercury	1 ppm
Cobalt	30 ppm
Nickel	50 ppm
Selenium	10 ppm
Antimony	10 ppm
Barium	50 ppm
Copper	50 ppm
Chromium	50 ppm
Zinc	100 ppm

## Propriétés cosmétiques / Cosmetic properties

### Propriétés cosmétiques / Cosmetic properties

Not Available

## Utilisations conseillées / Suggested uses

Face make-up / Maquillage visage	0.1-10%
Eye make-up / Maquillage yeux	0.1-30%
Lip make-up / Maquillage lèvres	0.1-10%
Nail varnish / Vernis à ongles	0.1-10%
Skin care / Produits de soins	0.1-2%
Soap / Savon	0.1-2%
Tooth paste / Dentifrice	0.1-2%

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## Technical Data Sheet

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DATE: 8/27/2021

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## List of Item Specifications

<b>Product</b>	LC887
<b>Product description</b>	UNIPURE BROWN LC887
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Appearance	POWDER	POWDER	10-010
Odour	NONE	NONE	10-022
Water solubility	INSOLUBLE	INSOLUBLE	10-046
Full shade (delta E < 1,2)	Passed	Passed	10-125
Müller blasting (delta E<1,2)	Passed	Passed	10-126
Arsenic (ppm)	0	3.0	10-213
Antimony (ppm)	0	10	10-210
Barium (ppm)	0	50	10-210
Cadmium (ppm)	0	1.0	10-210
Chromium (ppm)	0	50	10-210
Cobalt (ppm)	0	30	10-210
Copper (ppm)	0	50	10-210
Lead (ppm)	0	10.0	10-210
Mercury (ppm)	0	1.0	10-213
Nickel (ppm)	0	50	10-210
Zinc (ppm)	0	100	10-210
Microbiology (pathogens free)	Passed	Passed	10-123
Microbiology (<100 UFC/g)	Passed	Passed	10-123
Standard batch number	5468567STD	5468567STD	

## UNIPURE BROWN LC887

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- Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology
- Durée de Vie, Température et Conditions de Stockage / Shelf life, Temperature and Storage
- Inventaires chimiques et cosmétiques / Chemical and cosmetic inventories
- Autres certificats et informations / Other Certificates and information
- Additifs / Additives
- Traces CMR / CMR Traces
- Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)
- Non Test sur Animaux / Non Animal Testing

Created By Loupias, Manon -France Checked by Lemetais, Aurelie -France Date 12/7/2020

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**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: LC887

Product Name: UNIPURE BROWN LC887

**E Number:** Not Applicable

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799
India	R3, TTC Industrial Area, Off Thane Belapur Road, Rabale, Navi Mumbai 400701. INDIA	Ms. Amruta Raipurkar	Amruta.Raipurkar@sensient.com	00 91 22 2760 8801

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

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**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.

## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;

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**Informations Réglementaires / Regulatory Information**

**Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

**Code of Federal Regulations (CFR) Title 21**

Les colorants et leurs additifs sont en accord avec la FD&C act, Sec.721, 21 U.S.C. 379e, 21 CFR parts 70 et 80.

Ces informations sont basées sur nos connaissances actuelles

The colorant and its additives are compliant with FD&C Act, Sec. 721; 21 U.S.C. 379e; 21 CFR Parts 70 and 80.

This information is based on our current knowledge.

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## Autres conformités / Other Certificates and Information

### Religious Status

#### Kosher:

The product is eligible for Kosher certification.

#### Carmines:

This product does not contain Carmines.

#### Halal:

The product is eligible for Halal certification.

### Dietary Status

#### Vegan Statement

This product is Suitable for vegans.

### GMO Status

#### GMO Statement

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### Huile de palme / Palm Oil Status

Does not contain palm oil or palm oil derivatives

### BSE/TSE

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.



**Origine / Origin**

<b>Description</b>	<b>Source</b>	<b>Species</b>	<b>Part</b>	<b>* Country of Origin</b>	<b>Type</b>
CI 77491 [Iron Oxides]	Synthetic, Mineral	-	-	-	-
CI 77499 [Iron Oxides]	Synthetic, Mineral	-	-	-	-
CI 77492 [Iron Oxides]	Synthetic, Mineral	-	-	-	-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. /  
Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.

## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		
Pathogenic Bacteria	0	0		/ gram		

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	3 ppm
Mercury	1 ppm
Cobalt	30 ppm
Nickel	50 ppm
Selenium	10 ppm
Antimony	10 ppm
Barium	50 ppm
Copper	50 ppm
Chromium	50 ppm
Zinc	100 ppm

### Residual Solvent - Class 1

Class 1 Solvents Qty (Max)

None

### Residual Solvent - Class 2

Class 2 Solvents Qty (Max)

None

### Residual Solvent - Class 3

Class 3 Solvents Qty (Max)

None

### Residual Solvent - Non-classified

Solvents Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
		Not applicable

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phtalate	85-68-7	0 ppm	Absent
DEHP	Bis (2-Ethylhexyl) Phtalate	117-81-7	0 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phtalate	117-82-8	0 ppm	Absent
DBP	Dibutyl Phtalate	84-74-2	0 ppm	Absent
DNOP	Di-n-Octyl Phtalate	117-84-0	0 ppm	Absent
DPP	Di-n-Pentyl Phtalate	131-16-8	0 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyle)	111-96-6	0 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11-tetraoxadodecane	112-49-2	0 ppm	Absent
DEGMEE	2-Ethoxyethoxyethanol	111-90-0	0 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

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#### Traces, sous-produits et impuretés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
Asbestos	0 ppm	Not applicable
Free amines	0 ppm	Not applicable
Diethanolamine	0 ppm	Not applicable
Diethylene Glycol	0 ppm	Not applicable
Formaldehyde	0 ppm	Not applicable
Microcrystalline silica	0 ppm	Not applicable
Nitrosamines	0 ppm	Not applicable
Nonylphenol, Nonoxynol	0 ppm	Not applicable
Ethylene oxide	0 ppm	Not applicable
Propylene oxide	0 ppm	Not applicable
Sulfites	0 ppm	Not applicable
Triethanolamine	0 ppm	Not applicable
1,4 - Dioxane	0 ppm	Not applicable
D4	0 ppm	Not applicable
D5	0 ppm	Not applicable
D6	0 ppm	Not applicable
Magnesium Oxide included in Black Iron Oxide (CAS 1317-61-9)	500.000 ppm	Present
Alumina included in Black Iron Oxide (CAS 1317-61-9)	500.000 ppm	Present

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1 ppm
Lead	< 10 ppm
Arsenic	< 3 ppm
Mercury	< 1 ppm
Cobalt	< 30 ppm
Nickel	< 50 ppm
Selenium	< 10 ppm
Antimony	< 10 ppm
Barium	< 50 ppm
Copper	< 50 ppm
Chromium	< 50 ppm
Zinc	< 100 ppm

Ces informations sont basées sur nos connaissances actuelles

This information is based on our current knowledge.

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**Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)**

**Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des réglementations limitant l'utilisation des Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today in regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates

**Règlement suisse / Swiss Regulation**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today of the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates

## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

FDA-EEC : positive lists

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 > 2000.00000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

Diiron Trioxide	a) acute toxicity	LD50 Oral Rat > 10000 mg/kg	
Triiron tetraoxide	a) acute toxicity	LD50 Oral Rat > 5000.00000 mg/kg No Observed Adverse Effect Level Inhalation Rat = 4.70000 mg/m <sup>3</sup> LD50 Oral Rat > 10000 mg/kg	Standard acute method OECD 413
	b) skin corrosion/irritation	Skin Irritant Rabbit No Irritant effect 24h	OCDE 404
	c) serious eye damage/irritation	Eye Irritant Rabbit No Irritant effect	OCDE 405
	d) respiratory or skin sensitisation	Respiratory Sensitization Rat 5000.00000 mg/kg	
	f) carcinogenicity	Carcinogenicity Rat Negative Genotoxicity Negative	OCDE 473 OCDE 471 - In vitro mammalian chromosome aberration test: OCDE 473 (hamster) - Reverse mutation assay (Ames test): OCDE 471 (Salmonella typhimurium)

g) reproductive toxicity    Reproductive Toxicity Negative

**List of Eco-Toxicological properties of the components**

<b>Component</b>	<b>Ident. Numb.</b>	<b>Ecotox Data</b>
Triiron tetraoxide	CAS: 1317-61-9 - EINECS: 215-277-5	c) Bacteria toxicity : EC0 > 1000.00000 mg/L DZLOLI1 - Static test EU C.2  a) Aquatic acute toxicity : LC0 Fish > 1000.00000 mg/L 48h - Static test OCDE 203

**Matière Colorante / Dye**

This/these colorant(s) is/are regulated by positive lists. We are not required to conduct tests to prove their safety as this has already been established by the regulation.

Les matières colorantes sont régies par des listes positives. De ce fait, nous ne sommes pas tenus d'effectuer des tests pour démontrer leur innocuité qui est acquise par le législateur

Toxicological information:  
Refer to the MSDS



**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 3650

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Storage temperature <25°C

**Tariff Code:** 320649

**Notes:**

Not Available

## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australie)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77491 [Iron Oxides]	1309-37-1	Listed	Listed	Listed - 1309-37-1	Listed	Listed
CI 77499 [Iron Oxides]	1317-61-9	Listed	Listed	Listed - 1317-61-9	Listed	Listed
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed - 51274-00-1	Listed	Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77491 [Iron Oxides]	1309-37-1	Listed	Listed	Listed	Listed
CI 77499 [Iron Oxides]	1317-61-9	Listed	Listed	Listed	Listed
CI 77492 [Iron Oxides]	51274-00-1	Listed	Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77491 [Iron Oxides]	1309-37-1	Listed - Annex IV, Entry 135	Listed - IECIC 2015	Not Listed - Allowed in all cosmetics	Not Listed - 2019
CI 77499 [Iron Oxides]	1317-61-9	Listed - Annex IV, Entry 137	Listed - IECIC 2015	Not Listed - Allowed in all cosmetics	Not Listed - 2019
CI 77492 [Iron Oxides]	51274-00-1	Listed - Annex IV, Entry 136	Listed - IECIC 2015	Not Listed - Allowed in all cosmetics.	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

### **Traces CMR / CMR Traces**

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

#### **CMR Ingredients**

**Not Available**

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.

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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.

## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelque en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation, depuis le 1er janvier 2000 .

Des tests sur animaux ont ou peuvent uniquement être réalisés après cette date dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since January 1, 2000.

Animal testing has or can only be conducted after this date within the context of Sensient Cosmetic Technologies obligations for REACH.

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## Safety Data Sheet

### Unipure Brown Lc887

Safety Data Sheet dated: 21 December 2022 - version 3

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: Unipure Brown Lc887

Trade code: LC887

Registration Number See Paragraph 3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not determined

### 3.2. Mixtures

Mixture identification: Unipure Brown Lc887

#### Nanoforms characteristics:

Names of (Sets of) nanoform(s): Diiron trioxide  
Iron hydroxide oxide yellow

Particle size distribution: D50:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Diiron trioxide) - (Counted SEM)  
Mean:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Diiron trioxide) - (Counted SEM)  
D50:  $> 0 \text{ nm} \leq 100 \text{ nm}$  (Iron hydroxide oxide yellow) - (Counted SEM)



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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not determined

### 4.3. Indication of any immediate medical attention and special treatment needed

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

---

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Storage temperature <25°C

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

No data available

### **8.2. Exposure controls**

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

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## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Physical State: Solid

Odour: Odorless

pH: Not determined

Kinematic viscosity: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not Applicable

Upper/lower flammability or explosive limits: Not determined

Vapour density: Not determined

Vapour pressure: Not determined

Relative density: Not determined

Solubility in water: Insoluble

Solubility in oil: Insoluble

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### **Particle characteristics:**

Particle size: For more information, please refer to our Particle Size Statement

Nanoforms: Contains at least one nanoform

### **9.2. Other information**

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

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## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Stable under normal conditions

### **10.2. Chemical stability**

Data not available.

### **10.3. Possibility of hazardous reactions**

None.

### **10.4. Conditions to avoid**

Stable under normal conditions.

### **10.5. Incompatible materials**

None in particular.

### **10.6. Hazardous decomposition products**

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information:

FDA-EEC : positive lists

#### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 > 2000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### 11.2 Information on other hazards

#### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

### 12.2. Persistence and degradability

Not Available

### 12.3. Bioaccumulative potential

Not Available

### 12.4. Mobility in soil

Not Available

### 12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration  $\geq 0.1\%$

### 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7 Other adverse effects

Not Available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

**SECTION 14: Transport information**

**14.1. UN number or ID number**

N/A

**14.2. UN proper shipping name**

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

**14.3. Transport hazard class(es)**

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

**14.4. Packing group**

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

**14.5. Environmental hazards**

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

**14.6. Special precautions for user**

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

**14.7. Maritime transport in bulk according to IMO instruments**

Not Available

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

NWG: Not hazardous for water

**Lagerklasse according to TRGS 510:**

LGK 11

SVHC Substances:

None > 0.1%

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity estimate of the mixture

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties
- SECTION 16: Other information

PRODUCT CODE: LC887  
 PRODUCT NAME: UNIPURE BROWN LC887  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 12/7/2020

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
CI 77491 [Iron Oxides]	Diiron Trioxide	1309-37-1	215-168-2	Registered	01-2119457614-35-XXXX
CI 77499 [Iron Oxides]	Triiron Tetraoxide	1317-61-9	215-277-5	Registered	01-2119457646-28-XXXX
CI 77492 [Iron Oxides]	Iron Oxide Yellow	51274-00-1	257-098-5	Registered	01-2119457554-33-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.

## Technical Data Sheet

PRODUCT CODE: LC887  
 PRODUCT NAME: UNIPURE BROWN LC887  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 12/7/2020

### Description du produit / Product Description

Mineral pigment / Pigment minéral  
 High purity Brown iron oxide / Oxyde de fer brun de haute pureté

### Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

#### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77491	-	1309-37-1	215-168-2	Annex IV	Permitted	E 172	EU-A	Pigment
CI 77499	-	1317-61-9	215-277-5	Annex IV	Permitted	E 172	EU-A	Pigment
CI 77492	-	51274-00-1	257-098-5	Annex IV	Permitted	E 172	EU-A	Pigment

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

#### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Iron oxides	-	1309-37-1	215-168-2	73.2250	Exempted	USA-B	Pigment
Iron oxides	-	1317-61-9	215-277-5	73.2250	Exempted	USA-B	Pigment
Iron oxides	-	51274-00-1	257-098-5	73.2250	Exempted	USA-B	Pigment

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.



## Technical Data Sheet

PRODUCT CODE: LC887  
 PRODUCT NAME: UNIPURE BROWN LC887  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 12/7/2020

\*When listed, 21 CFR requirements are met.  
 "-" means not applicable.

### Cosmetic Compliance (including amendments) - CHINA

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
CI 77491	-	1309-37-1	215-168-2	Annex VI	-	CH-A	Pigment
CI 77499	-	1317-61-9	215-277-5	Annex VI	-	CH-A	Pigment
CI 77492	-	51274-00-1	257-098-5	Annex VI	-	CH-A	Pigment

\*When compliant, requirements described in the Technical Standard are met.  
 "-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	Tar Color MHLW 31/1966*	JSQI	Note	Function
Red Oxide of Iron	-	1309-37-1	215-168-2	Not listed - Permitted	-	-	JP-A	Pigment
Black Oxide of Iron	-	1317-61-9	215-277-5	Not listed - Permitted	-	-	JP-A	Pigment
Yellow Oxide of Iron	-	51274-00-1	257-098-5	Not listed - Permitted	-	-	JP-A	Pigment

\*When listed, requirements for the Tar Color are met.  
 "-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of

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this product and its owns applications.

\*\*This table is not applicable for hair dyes.

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### Notes:

EU-A Permitted in all cosmetics.  
 EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 EU-C Permitted in all cosmetics with restrictions as hair dye.  
 EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
 EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
 EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
 EU-G Not permitted.  
 EU-H Permitted as Hair-dye only with restrictions.  
 EU-I Permitted in all cosmetics except as hair dye.  
 EU-J Permitted in all cosmetics with restrictions.  
 EU-K Permitted only for rinse-off products.  
 EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
 USA-A Not regulated, permitted in all cosmetics.  
 USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-C For coloring cosmetics generally.  
 USA-D For coloring externally applied cosmetics.  
 USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
 USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
 USA-J For use in toothpastes at not more than 0.1%.  
 USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
 USA-L Not permitted.  
 USA-M For coloring cosmetics generally; except eye area.  
 USA-N Not permitted as color additive. Permitted as Hair dye.  
 USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
 USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
 USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
 USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
 USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
 CH-A Permitted in all cosmetics.  
 CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Powder			
Color			Brown			

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### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
Water Solubility			Insoluble			

### Physique / Physical

#### Physical and Sensorial Test

#### Target

Water soluble matter / Matières solubles dans l'eau	0.3% max
Volatile matter (105°C) / Matières volatiles	1.0% max
Specific area / Surface spécifique	8 - 13 m <sup>2</sup> /g
Fastness to light / Stabilité lumière	Good / Bonne

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	3 ppm
Mercury	1 ppm
Cobalt	30 ppm
Nickel	50 ppm
Selenium	10 ppm
Antimony	10 ppm
Barium	50 ppm
Copper	50 ppm
Chromium	50 ppm
Zinc	100 ppm

## Propriétés cosmétiques / Cosmetic properties

Please refer to Sales/Marketing presentation.

## Utilisations conseillées / Suggested uses

Please refer to Sales/Marketing presentation.

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DATE: 12/7/2020

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## List of Item Specifications

<b>Product</b>	LC987
<b>Product description</b>	UNIPURE WHITE LC 987
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Appearance	POWDER	POWDER	10-010
Color	WHITE	WHITE	10-021
Odour	NONE	NONE	10-022
Water solubility	INSOLUBLE	INSOLUBLE	10-046
Volatile matter - 105°C (%)	0	.5	10-102
Water soluble subs at cold (%)	0	.3	FDA
Full shade (delta E < 1,2)	Passed	Passed	10-125
Müller blasting (delta E<1,2)	Passed	Passed	10-126
Antimony (ppm)	0	2.0	10-210
Arsenic (ppm)	0	1.0	10-213
Barium (ppm)	0	50	10-210
Cadmium (ppm)	0	1.0	10-210
Chromium (ppm)	0	50	10-210
Cobalt (ppm)	0	30	10-210
Copper (ppm)	0	50	10-210
Lead (ppm)	0	10	10-210
Mercury (ppm)	0	1.0	10-213
Nickel (ppm)	0	10	10-210
Selenium (ppm)	0	10.0	10-210
Zinc (ppm)	0	50	10-210
Microbiology (<100 UFC/g)	Passed	Passed	10-123
Pseudomonas Aeruginosa(Neg/1g)	Passed	Passed	ISO 22717

## List of Item Specifications

<b>Product</b>	LC987
<b>Product description</b>	UNIPURE WHITE LC 987
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Candida Albicans (Neg/1g)	Passed	Passed	ISO 18416
Staphylococcus Aureus(Neg/1g)	Passed	Passed	ISO 22718
Escherichia Coli (Neg/1g)	Passed	Passed	ISO 21150
Titane content after drying(%)	99.0	100.0	10-219



## UNIPURE WHITE LC987

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- Autres certificats et informations / Other Certificates and information
- Additifs / Additives
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Created By Haubensack, Alexis Checked by Loupias, Manon -France Date 7/15/2022

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**Présentation de l'entreprise et recommandations / Identity of the Company and Recommendations**

Product Code: LC987-CN

Product Name: UNIPURE WHITE LC987

**CAS Number:** 13463-67-7 Not Applicable

**E Number:** 171

**CI Number:** Not Applicable

**Company Locations:**

Business Unit	Address	Contact	Email	Tel
Europe - Head quarters	7-9 rue de l'Industrie, 95310 Saint Ouen L'aumône, FRANCE		salessupportEMEA@sensient.com	00 33 1 3448 5700
USA	300 Atrium Drive, Somerset, NJ 08873		cosmeticsales@sensient.com	00 1 908 757 4500
Asia - Japan	Sunshine 6 Bldg. 29-12, Shiba2-Chrome, Tokyo 105-0014, JAPAN	Mrs. Miho Ishiyama	miho.ishiyama@sensient.com	00 81 3 6400 3270
Asia - China	6F, #1 Building, No. 168, Jixin Rd., Minhang District, Shanghai 201100, CHINA	Mrs Lillian Zhang	Lillian.zhang@sensient.com	00 86 21 5079 1611
Asia - South East	Artha Gading Niaga Blok C No. 3, Jl. Artha Gading Bvd., Kelapa Gading, Jakarta 14240, INDONESIA	Mrs Medila Sahusilawane	Medila.Sahusilawane@sensient.com	
Asia - Singapore	One North, 11 Biopolis Way Helios, #06-01/02, Singapore 138667, SINGAPORE			00 65 6776 7900
Latin America	Alameda Oceania 149, Polo Empresarial Tamore, Santana de Parnaiba, São Paulo CEP - 06543-308, BRAZIL	Mrs Fernanda Soro	Fernanda.soro@sensient.com	00 55 11 3161 3799

**Company:**

Sensient Cosmetic Technologies

7-9, Rue de l'industrie

F-95310 SAINT OUEN L'AUMONE,

France

Tel: +33 (0) 1.34.48.57.00

email: salessupportEMEA@sensient.com

Website: <http://www.sensient-cosmetics.com>

Legal Status / Statut juridique: SAS

APE Cod / Code APE: 2012Z

SIRET No.: 562 128 132 00049

VAT Identification / Identification TVA: fr26562128132

**Lieu de fabrication / Manufacturing location:**

France

United States of America

China

Brazil

United Kingdom

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**Recommendation:**

Nos conseils techniques d'utilisation sont donnés au mieux de nos connaissances. Ils constituent de simples indications qui n'engagent pas notre responsabilité, même en ce qui concerne des droits de propriété industrielle appartenant à des tiers. Ils ne vous dispensent pas de la nécessité de vérifier vous-même si le contenu et les propriétés des produits livrés répondent aux impératifs de l'utilisation finale ainsi qu'aux exigences en matière d'étiquetage du produit fini. Nous garantissons, bien entendu, la qualité rigoureuse de nos produits dans le cadre de nos conditions générales de vente. Nos recommandations concernant la sécurité des produits ne vous dispensent pas de déterminer vous-même les mesures de sécurité adaptées aux conditions propres à vos utilisations et que nous ne pouvons prévoir. Il est nécessaire de veiller spécialement à la qualification technique du personnel et à l'information disponibles aux personnes chargées de l'utilisation, de la manipulation ou qui peuvent être en contact avec les produits.

All recommendations for the use of our products are given to the best of our knowledge. They are indicative and non-binding. This is particularly the case concerning industrial property rights belonging to third parties. Our clients should verify that the content and the properties of our products are compatible with the required end result and end-product labeling requirements. We guarantee the consistent properties of our products with the terms of our general conditions of sales. Our safety recommendations do not release our customers of the responsibility of verifying the safety of our products under the conditions of use. It is particularly necessary to ensure that the personnel likely to come into contact with or otherwise handle the products will have adequate technical qualifications and will receive all appropriate information.

## **Gestion & Assurance Qualité / Guidelines & Quality Assurance**

### **Sensient Cosmetic Technologies**

- reçoit des certifications de la F.D.A., lot par lot, depuis environ 20 ans et se conforme aux règles de la F.D.A / is receiving batch to batch color certification from the F.D.A. since about 20 years and complies with all pertaining rules to do so;
- a pour politique de ne répondre à aucun questionnaire portant sur son organisation interne mais accueille volontiers toute personne intéressée par une visite des laboratoires et de l'usine si cela n'est pas dans le cadre d'un audit / has a policy not to answer any questionnaire related to its internal organization but will be very pleased to welcome any visitor and to show the labs and facilities provided this is not for an audit purpose;
- est soumise à autorisation au titre des établissements classés (selon la réglementation française) / its activities are regulated according to the classified sites (according to the French regulation);
- possède un site web sur lequel les fiches de données de sécurité peuvent être consultées par les clients, ce site est régulièrement mis à jour. Ces fiches peuvent être consultées en Français, Anglais et Espagnol / has a website on which Material Safety Data Sheets of its products can be consulted by the customers. This website is regularly updated. They can be consulted in French, English and Spanish;
- joint le Bulletin d'Analyses à chaque livraison de ses produits / attaches a Certificate of Analysis to each delivery;
- dispose d'un manuel de qualité / has a Quality Manual;
- remet un dossier complet pour chaque nouvelle homologation / provides a complete file for each new homologation;

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**Informations Réglementaires / Regulatory Information**

**Réglementation Cosmétique et ses Adaptations / EU Cosmetic Regulation & Amendments**

Nous certifions que la matière première en référence est conforme aux exigences applicables aux ingrédients cosmétiques de la réglementation cosmétique (EU) No. 1223/2009, y compris les annexes et les modifications tels qu'ils sont actuellement en vigueur. Elle ne contient aucune substance ajoutée intentionnellement interdite par le présent règlement. Lorsque des impuretés sont répertoriées dans notre documentation comme traces, ces traces sont techniquement inévitables.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above cosmetic raw material conforms with the requirements relevant to cosmetic ingredients listed in the Cosmetic Regulation (EU) No. 1223/2009, including the Annexes, and its amendments as currently in force. It does not contain any intentionally added substances prohibited by this EU Regulation. When impurities are listed in our documentation as traces, these traces are technically unavoidable.

This information is based on our current knowledge.

**Code of Federal Regulations (CFR) Title 21**

Les colorants et leurs additifs sont en accord avec la FD&C act, Sec.721, 21 U.S.C. 379e, 21 CFR parts 70 et 80.

Ces informations sont basées sur nos connaissances actuelles

The colorant and its additives are compliant with FD&C Act, Sec. 721; 21 U.S.C. 379e; 21 CFR Parts 70 and 80.

This information is based on our current knowledge.

## **Autres conformités / Other Certificates and Information**

### **Religious Status**

#### **Kosher:**

The product is eligible for Kosher certification.

#### **Carmines:**

This product does not contain Carmines.

#### **Halal:**

The product is eligible for Halal certification.

### **Dietary Status**

#### **Vegan Statement**

This product is Suitable for vegans.

### **GMO Status**

#### **GMO Statement**

We declare this product is manufactured neither «from» nor «by» GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007

#### **Huile de palme / Palm Oil Status**

Does not contain palm oil or palm oil derivatives

### **BSE/TSE**

The product listed above is not at risk of containing Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE). None of the components used in the manufacture of this product are from potential BSE/TSE sources. Therefore, we can certify this product to be BSE/TSE free without testing.

### Naturalness

According to our interpretation of the ISO 16128 standard, parts 1 and 2, the Natural Content and Natural Origin Content of the material in reference are the following. Calculations were made according to guidelines issued by French professional associations (INGRECOS, FEBEA) in the draft report submitted to ISO and including formulation water. This information is based on our current knowledge.

### Naturalité / Naturality

Type	Index
Contenu d'origine naturel / Natural Derived Content (norme/norm ISO 16128)	100%
Contenu Naturel / Natural Content (norme/norm ISO 16128)	0%

### Origine / Origin

#### Detail Statement:

Description	Source	Species	Part	* Country of Origin	Type
CI 77891 [Titanium Dioxide] Not Available	Mineral, Synthetic	-	-	EUROPE, CANADA	-

\* Indication de l'origine géographique uniquement pour la traçabilité des matières premières d'origine végétale ou d'extraction minérale. / Indication of geographical origin only for the traceability of raw materials from vegetable origin or mineral extraction.

## Qualité / Quality

### Microbiological

Microbiological Test	Min	Max	Data	UoM	Method	Comments
Total Plate Count	0	100		cfu/g		
Yeast & Mold	0	100		cfu/g		
Pseud. aeruginosa in 1g	0	0			ISO 22717	
candida albicans in 1g	0	0			ISO 18416	
staphyl. aureus in 1g	0	0			ISO 22718	
E.coli in 1 g	0	0			ISO 21150	

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	1 ppm
Mercury	1 ppm
Cobalt	30 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	2 ppm
Barium	50 ppm
Copper	50 ppm
Chromium	50 ppm
Zinc	50 ppm

### Residual Solvent - Class 1

Class 1 Solvents Qty (Max)

None

### Residual Solvent - Class 2

Class 2 Solvents Qty (Max)

None

### Residual Solvent - Class 3

Class 3 Solvents Qty (Max)

None

### Residual Solvent - Non-classified

Solvents Qty (Max)

None

### Monomères résiduels / Residual Monomers

Residual Monomer	Maximum Concentration	Status
	0.000 ppm	Not applicable

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

### Phtalates / Phthalates

Abv.	Description	CAS No.	Maximum Concentration	Status
BBP	Benzyl Butyl Phthalate	85-68-7	0.000 ppm	Absent



DEHP	Bis (2-Ethylhexyl) Phtalate	117-81-7	0.000 ppm	Absent
DMEP	Bis (2-Methoxyethyl) Phtalate	117-82-8	0.000 ppm	Absent
DBP	Dibutyl Phtalate	84-74-2	0.000 ppm	Absent
DNOP	Di-n-Octyl Phtalate	117-84-0	0.000 ppm	Absent
DPP	Di-n-Pentyl Phtalate	131-16-8	0.000 ppm	Absent
DIDP	decyl Phtalate	26761-40-0	0.000 ppm	Absent
DINP	Diiso nonyl Phtalate	28553-12-0	0.000 ppm	Absent
DIPP	Diiso pentyl Phtalate	605-50-5	0.000 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Ethers de Glycol / Glycol Ethers

Abv.	Description	CAS No.	Maximum Concentration	Status
EGEE	2-ethoxyethanol / ethylene-glycol monoethyl ether, ethylglycol	110-80-5	0.000 ppm	Absent
EGME	2-methoxyethanol / ethylene-glycol monomethyl ether, methylglycol	109-86-4	0.000 ppm	Absent
EGEEA	2-ethoxyethyl acetate / ethylglycol acetate, ethylene glycol monoethyl ether Acetylated	111-15-9	0.000 ppm	Absent
EGMEA	2-methoxyethyl acetate / methylglycol acetate, ethylene glycol monomethyl ether acetate	110-49-6	0.000 ppm	Absent
EGBE	2-butoxyethanol / ethylene glycol monobutyl ether	111-76-2	0.000 ppm	Absent
DEGBE	2-(2-butoxyethoxy) ethanol / diethylene glycol monobutyl ether	112-34-5	0.000 ppm	Absent
DEGEE	2-(2-ethoxyethoxy) ethanol / diethylene glycol monoethyl ether	111-90-0	0.000 ppm	Absent
EDGME	Ethylene-glycol dimethyl ether / 1,2 dimethoxyethane	110-71-4	0.000 ppm	Absent
DEDGME	Diethylene-glycol dimethyl ether / oxyde de bis (2 methoxyethyl)	111-96-6	0.000 ppm	Absent
TEDGME	Triethylene-glycol dimethyl ether / 2, 5, 8, 11-tetraoxadodecane	112-49-2	0.000 ppm	Absent

Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

#### Traces, sous-produits et impuretés / Traces, By-Products, and Impurities

Impurity	Maximum Concentration	Status
Asbestos	0.000 ppm	Not applicable
Free amines	0.000 ppm	Not applicable
Diethanolamine	0.000 ppm	Not applicable
Diethylene Glycol	0.000 ppm	Not applicable
Formaldehyde	0.000 ppm	Not applicable
Crystalline silica	0.000 ppm	Not applicable
Nitrosamines	0.000 ppm	Not applicable
Nonylphenol, Nonoxynol	0.000 ppm	Not applicable
Ethylene oxide	0.000 ppm	Not applicable
Propylene oxide	0.000 ppm	Not applicable
Sulfites	0.000 ppm	Not applicable
Triethanolamine	0.000 ppm	Not applicable
1,4 - Dioxane	0.000 ppm	Not applicable
D4	0.000 ppm	Not applicable
D5	0.000 ppm	Not applicable
D6	0.000 ppm	Not applicable

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Ce tableau est généré informatiquement. Quand le statut d'une impureté est défini comme "non concerné" (Not Applicable), le tableau fait automatiquement apparaître une valeur de 0 ppm. Cependant, merci de noter que cela ne signifie pas que la teneur de cette impureté a été mesurée mais que la matière n'est pas susceptible d'avoir cette impureté.

This table is computer generated. When the status is defined as "Not Applicable," the table automatically shows "0 ppm." Please note this means the impurity is not expected to be present in the product due to its nature. However, it does not mean that this impurity has been tested for.

## Allergènes / Allergens

### Règlement 1223/2009/CE, Annexe III / Regulation 1223/2009/EC, Annex III

Nous certifions que la matière première en référence contient les allergènes suivants :

We hereby certify that the above material contains the following allergens :

Substance	CAS Number	No / Yes	Concentration	Sources
Amyl Cinnamal	122-40-7	Not Present	-	
Benzyl Alcohol	100-51-6	Not Present	-	
Cinnamyl Alcohol	104-54-1	Not Present	-	
Citral	5392-40-5	Not Present	-	
Eugenol	97-53-0	Not Present	-	
Hydroxycitronellal	107-75-5	Not Present	-	
Isoeugenol	97-54-1	Not Present	-	
Amylcinnamyl Alcohol	101-85-9	Not Present	-	
Benzyl Salicylate	118-58-1	Not Present	-	
Cinnamal	104-55-2	Not Present	-	
Coumarin	91-64-5	Not Present	-	
Geraniol	106-24-1	Not Present	-	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	Not Present	-	
Anisyl Alcohol	105-13-5	Not Present	-	
Benzyl Cinnamate	103-41-3	Not Present	-	
Farnesol	4602-84-0	Not Present	-	
Butylphenyl Methylpropional	80-54-6	Not Present	-	
Linalool	78-70-6	Not Present	-	
Benzyl benzoate	120-51-4	Not Present	-	
Citronellol	106-22-9	Not Present	-	
Hexyl Cinnamal	101-86-0	Not Present	-	
Limonene	5989-27-5	Not Present	-	
Methyl 2-Octynoate	111-12-6	Not Present	-	
Alpha-Isomethyl Ionone	127-51-5	Not Present	-	
Oakmoss extract	90028-68-5	Not Present	-	
Treemoss extract	90028-67-4	Not Present	-	

Ces informations sont basées sur nos connaissances actuelles.

This information is based on our current knowledge.

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## California Proposition 65

Nous certifions que l'ingrédient, entrant dans la matière en référence, n'est pas mentionné à ce jour sur la liste du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour. Ce produit peut néanmoins contenir des traces des substances suivantes, listées sur la proposition 65, aux concentrations indiquées:

Le titanium dioxide (en suspension dans l'air, particules libres de taille inhalable) est listé cancérigène depuis le 2 septembre 2011.

We hereby certify that ingredient(s) used in the material in reference is/are not listed on the Proposition 65 list issued by the State of California Environmental Protection Agency. We regularly follow the updates to this list. However, this material may contain traces of ingredients listed on the Proposition 65 list at the following concentrations:

Titanium dioxide (airborne, unbound particles of respirable size) is listed as carcinogenic since September 2, 2011.

<b>Impurity</b>	<b>Expected Maximum Conc (ppm)</b>
Cadmium	< 1 ppm
Lead	< 10 ppm
Arsenic	< 1 ppm
Mercury	< 1 ppm
Cobalt	< 30 ppm
Nickel	< 10 ppm
Selenium	< 10 ppm
Antimony	< 2 ppm
Barium	< 50 ppm
Copper	< 50 ppm
Chromium	< 50 ppm
Zinc	< 50 ppm

Ces informations sont basées sur nos connaissances actuelles

This information is based on our current knowledge.

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**Composés Organiques Volatiles (COV) / Volatile Organic Compounds (VOC)**

**Règlement sur les produits de consommation de la Californie / California Consumer Products Regulations**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des réglementations limitant l'utilisation des Composants Organiques Volatils dans les produits de consommation du State of California Environmental Protection Agency dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today in regulation for reducing emissions from consumer products on the State of California Environmental Protection Agency which we regularly follow the updates

**Règlement suisse / Swiss Regulation**

Nous certifions que les ingrédients, entrant dans la matière première en référence, sont exemptés à ce jour des dispositions visées par l'Ordonnance sur la taxe d'incitation sur les Composés Organiques Volatils (OCOV, 814.018) du Conseil Fédéral Suisse, dont nous suivons régulièrement les mises à jour.

We hereby certify that ingredients used in the above material are exempted today of the provisions referred to in the Ordinance on the Incentive Tax on Volatile Organic Compounds of the Swiss Federal Council, which we regularly follow the updates

## Toxicologie - Ecotoxicologie / Toxicology - Ecotoxicology

Toxicological Information:

Basé sur les résultats de la littérature/According to data published in literature

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 20000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

Titanium Dioxide	a) acute toxicity	LD50 Oral Rat > 10000 mg/kg LC50 Inhalation Rat > 6.82 mg/l 4h
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### List of Eco-Toxicological properties of the product

Component	Ecotox Data
UNIPURE WHITE LC987	a) Aquatic acute toxicity : LC0 Fish Leuciscus idus > 1000 mg/L 48h a) Aquatic acute toxicity : EC0 Daphnia Daphnia magna > 3 mg/L MON a) Aquatic acute toxicity : EC0 Pseudomonas fluorescens > 10000 mg/L DZLOLI1

### List of Eco-Toxicological properties of the components

Component	Ecotox Data
Titanium Dioxide	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss > 100 mg/L 96h OECD 203 a) Aquatic acute toxicity : LC50 Fish Cyprinodon variegatus > 10000 mg/L 96h OECD 203 a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna > 100 mg/L 48h OECD 202

**Matière Colorante / Dye**

This/these colorant(s) is/are regulated by positive lists. We are not required to conduct tests to prove their safety as this has already been established by the regulation.

Les matières colorantes sont régies par des listes positives. De ce fait, nous ne sommes pas tenus d'effectuer des tests pour démontrer leur innocuité qui est acquise par le législateur

Toxicological information:  
Refer to the MSDS

**Durée de Vie, Température et Conditions de Stockage / Shelf Life, Temperature, and Storage Conditions**

**Shelf Life (in days):** 3650

**Storage Conditions:** Store in a tightly closed container in a cool, dry, well-ventilated area.

**Temperature:** Storage temperature < 25°C

**Tariff Code:** 320611

**Notes:**

Not Available



## Inventaires Chimiques / Chemical Inventories

INCI Name	CAS	AICS list (Australie / Australie)	DSL list (Canada)	TSCA list (Etats-Unis / United States)	IECSC list (Chine / China)	KECI list (Corée / Korea)
CI 77891 [Titanium Dioxide]	13463-67-7	Listed	Listed	Listed - 13463-67-7	Listed	Listed

INCI Name	CAS	ENCS list (Japon / Japan)	INSQ list (Mexique / Mexico)	NZIoC list (Nouvelle Zélande / New Zealand)	PICCS list (Philippines)
CI 77891 [Titanium Dioxide]	13463-67-7	Listed - Listed	Listed	Listed	Listed

## Inventaires Cosmétiques / Cosmetic Inventories

INCI Name	CAS	European Regulation (1223/2009/EU)	China Regulation (IECIC list)	Japan Regulation (MHLW 2000)	Canada Regulation (Hot list CEPA)
CI 77891 [Titanium Dioxide]	13463-67-7	Listed - Annex IV, Entry 143	Listed - IECIC 2021	Not Listed - Allowed in all cosmetics	Not Listed - 2019

To the best of our knowledge, this product is allowed for use in cosmetic formulations as of the date of this document in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished product(s) comply with current applicable local regulations.

**Autres certificats et informations / Other certificates and info**

**Additifs / Additives**

Nous certifions que la matière en référence ne contient pas de additifs.

Ces informations sont basées sur nos connaissances actuelles

We certify that the material in reference does not contain additives.

This information is based on our current knowledge.

## **Traces CMR / CMR Traces**

Nous certifions que la matière en référence ne contient pas de substance classée CMR catégorie 1A, 1B, 2 (Carcinogène, Mutagène, Reprotoxique) selon le Règlement (CE) n°1272/2008 et ses modifications.

Ces informations sont basées sur nos connaissances actuelles

### **CMR Ingredients**

**Not Available**

We hereby certify that the material in reference does not contain any substance(s) classified as CMR category 1A, 1B, 2 (Carcinogenic, Mutagenic, Reprotoxic) according to the 1272/2008/EC regulation and amendments.

This information is based on our current knowledge.

## CMR - IARC - TiO2

### Cancérogénicité :

En février 2006, l'IARC concluait "qu'il n'existe pas assez de preuves pour la cancérogénicité chez l'homme du dioxyde de titane".

Fondé sur les études d'inhalation sur les rats, l'IARC a conclu à des justifications suffisantes pour la cancérogénicité sur les animaux d'expérience, l'évaluation générale de l'IARC était que "le dioxyde de titane est peut-être cancérogène pour l'homme (groupe 2B)".

Cette décision se base sur les règles d'IARC qui exigent une telle classification si au moins deux études indépendantes effectuées sur une même espèce à différents moments ou dans des laboratoires différents ou avec des protocoles d'expérience différents montrent des formations de tumeurs.\*

\* Basé sur les résultats de la littérature

Ces informations sont basées sur nos connaissances actuelles

### Carcinogenicity :

In February 2006, IARC concluded "there is inadequate evidence in humans for the carcinogenicity of titanium dioxide."

Based on rat inhalation studies, IARC concluded that there is sufficient evidence in lab testing animals for the carcinogenicity of titanium dioxide. IARC's overall evaluation was that "titanium dioxide is possibly carcinogenic to humans (group 2B)."

This conclusion was based on IARC's guidelines, which require such a classification if two or more independent studies in one species carried out at different times or in different laboratories or under different protocols show evidence of tumors." \*

\* Based on data from literature

This information is based on our current knowledge.

## **Non Test sur Animaux / Non Animal Testing**

Nous certifions que la matière en référence n'a pas été testée ou re-testée sur animaux quelque en soit la raison par ou au nom de Sensient Cosmetic Technologies, entité de Sensient Technologies Corporation, depuis le 1er janvier 2000 .

Des tests sur animaux ont ou peuvent uniquement être réalisés après cette date dans le cadre des obligations REACH de Sensient Cosmetic Technologies.

We hereby certify that the material in reference has not been tested or re-tested on animals for any purpose by or on behalf of Sensient Cosmetic Technologies, part of Sensient Technologies Corporation, since January 1, 2000.

Animal testing has or can only be conducted after this date within the context of Sensient Cosmetic Technologies obligations for REACH.

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## **Substances Extrêmement Préoccupantes / Substances of Very High Concern (SVHC)**

### **Article 57 de la Réglementation (CE) n°1907/2006 / Article 57 of Regulation (EC) No. 1907/2006**

Nous certifions que la matière première en référence ne comporte pas de substances extrêmement préoccupantes (mentionnées sur la liste candidate publiée par l'ECHA) à des concentrations supérieures à 0.1%, ou de substances inscrites à l'annexe XIV (soumises à autorisation), dont nous suivons régulièrement les mises à jour.

Ces informations sont basées sur nos connaissances actuelles

We hereby certify that the above material does not contain any Substances of Very High Concern (SVHC) (listed on the candidate list published by ECHA) above 0.1% or substances listed in Annex XIV (submitted to authorization). We regularly follow the updates to this list.

This information is based on our current knowledge.

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## Safety Data Sheet

### Unipure White Lc 987

Safety Data Sheet dated: 21 December 2022 - version 4

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Identification of the substance:

RM69  
Trade name: Unipure White Lc 987  
Trade code: LC987-CN  
CAS number: 13463-67-7  
EC number: 236-675-5  
Registration Number 01-2119489379-17-XXXX

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies  
7-9, Rue de l'industrie  
F-95310 SAINT OUEN L'AUMONE,  
France  
Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special Provisions:

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

EUH210 Safety data sheet available on request.

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

This substance has no PBT, vPvB or endocrine disrupting properties

Other Hazards: No other hazards

No specific hazards are encountered under normal product use.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance Identifications: Titanium Dioxide  
CAS number: 13463-67-7



EC number: 236-675-5  
Registration Number 01-2119489379-17-XXXX

### 3.2. Mixtures

Not determined

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not determined

### 4.3. Indication of any immediate medical attention and special treatment needed

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion or combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water. Do not discharge into drains.

Move undamaged containers from immediate hazard area but only if it can be done safely.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Storage temperature < 25°C

Industrial sector specific solutions:

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

OEL Type	Country	Occupational Exposure Limit
ACGIH		Long Term: 10 mg/m <sup>3</sup> A4 - Not Classifiable as a Human Carcinogen; lower respiratory tract irritation;
ACGIH		Long Term: 10 mg/m <sup>3</sup> lower respiratory tract irritation; A4 - Not Classifiable as a Human Carcinogen;
ACGIH		Long Term: 10 mg/m <sup>3</sup> A4 - Not Classifiable as a Human Carcinogen; lower respiratory tract irritation
ACGIH		Long Term: 10 mg/m <sup>3</sup> lower respiratory tract irritation; A4 - Not Classifiable as a Human Carcinogen
EU		Long Term: 10 mg/m <sup>3</sup>
MAK	Germany	Long Term: 0.3 mg/m <sup>3</sup>
ACGIH		Long Term: 0.2 mg/m <sup>3</sup> A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans; lower respiratory tract irritation; pneumoconiosis
ACGIH		Long Term: 2.5 mg/m <sup>3</sup> A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans; lower respiratory tract irritation; pneumoconiosis
NATION AL	Australia	Long Term: 10 mg/m <sup>3</sup>
NATION AL	France	Long Term: 10 mg/m <sup>3</sup>
NATION AL	Spain	Long Term: 10 mg/m <sup>3</sup>
NATION AL	Germany	Long Term: 1.25 mg/m <sup>3</sup>
NATION AL	Germany	Long Term: 10 mg/m <sup>3</sup>
NATION AL	Portugal	Long Term: 10 mg/m <sup>3</sup>
NATION AL	Belgium	Long Term: 10 mg/m <sup>3</sup>
NATION AL	Poland	Long Term: 10 mg/m <sup>3</sup> ; Short Term: 30 mg/m <sup>3</sup>
NATION AL	Russian Federation	Long Term: 10 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 10 mg/m <sup>3</sup> ; Short Term: 30 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 10 mg/m <sup>3</sup> ; Short Term: 12 mg/m <sup>3</sup>
NATION AL	United Kingdom	Long Term: 4 mg/m <sup>3</sup> ; Short Term: 30 mg/m <sup>3</sup>

### Predicted No Effect Concentration (PNEC) values

Exposure Route: Water; PNEC Limit: 1 mg/l

Exposure Route: N.A.; PNEC Limit: 1000 mg/kg

Exposure Route: Soil (agricultural); PNEC Limit: 0.127 mg/l

Exposure Route: Water; PNEC Limit: 100 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 100 mg/kg

Exposure Route: Soil; PNEC Limit: 100 mg/kg

Exposure Route: Air; PNEC Limit: 1667 mg/kg

### Derived No Effect Level (DNEL) values

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Worker Industry: 10 ; Worker Professional: 10 mg/m<sup>3</sup>

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 700 mg/m<sup>3</sup>

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Solid

Odour: Not determined

pH: Not determined

Kinematic viscosity: Not determined

Melting point / freezing point: 1800 °C (3272 °F) Notes: 1800 °C

Initial boiling point and boiling range: 2500 °C (4532 °F) Notes: 2500 - 3000 °C

Flash point: Not determined

Upper/lower flammability or explosive limits: Not determined

Vapour density: 0

Vapour pressure: Not determined

Relative density: 3.90 g/cm<sup>3</sup>

Solubility in water: Insoluble

Solubility in oil: Insoluble

Partition coefficient (n-octanol/water): Not determined

Nanoforms dispersion stability

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Flammability: Not classified

Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: Not determined

Nanoforms: Does not contain nanoform according to REACH regulation

### 9.2. Other information

Explosive properties: ST0

Evaporation rate: Not determined

Miscibility: Not determined

Conductivity: Not determined

No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Data not available.

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Data not available.

#### 10.5. Incompatible materials

Data not available.

#### 10.6. Hazardous decomposition products

Data not available.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information:

Basé sur les résultats de la littérature/According to data published in literature

##### Toxicological Information of the Substance

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 20000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

#### 11.2 Information on other hazards

##### Endocrine disrupting properties:

This substance has no endocrine disrupting properties

### SECTION 12: Ecological information

#### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

##### List of Eco-Toxicological properties of the product

Component	Ecotox Data
Titanium Dioxide	a) Aquatic acute toxicity : LC0 Fish Leuciscus idus > 1000 mg/L 48h
	a) Aquatic acute toxicity : ECO Daphnia Daphnia magna > 3 mg/L MON
	a) Aquatic acute toxicity : ECO Pseudomonas fluorescens > 10000 mg/L DZLOLI1

#### 12.2. Persistence and degradability

Not Available

#### 12.3. Bioaccumulative potential

Not Available

#### 12.4. Mobility in soil

Not Available

## 12.5. Results of PBT and vPvB assessment

This substance has no PBT or vPvB properties

## 12.6 Endocrine disrupting properties

This substance has no endocrine disrupting properties

## 12.7 Other adverse effects

Not Available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.  
German Water Hazard Class Class 3: extremely hazardous.

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## SECTION 14: Transport information

### 14.1. UN number or ID number

N/A

### 14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

### 14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

### 14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

### 14.5. Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air ( IATA ) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

### 14.7. Maritime transport in bulk according to IMO instruments

Not Available

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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 2016/918 (ATP 8 CLP)  
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
 Regulation (EU) n. 2017/776 (ATP 10 CLP)  
 Regulation (EU) n. 2018/669 (ATP 11 CLP)  
 Regulation (EU) n. 2019/521 (ATP 12 CLP)  
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
 Regulation (EU) n. 2020/217 (ATP 14 CLP)  
 Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

NWG: Not hazardous for water

**Lagerklasse according to TRGS 510:**

LGK 11

SVHC Substances:

None > 0.1%

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

---

## SECTION 16: Other information

Code	Description
H351	Suspected of causing cancer if inhaled.

Code	Hazard class and hazard category	Description
3.6/2	Carc. 2	Carcinogenicity, Category 2

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.  
This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists  
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity estimate of the mixture  
BCF: Biological Concentration Factor  
BEI: Biological Exposure Index  
BOD: Biochemical Oxygen Demand  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 9: Physical and chemical properties
- SECTION 16: Other information

PRODUCT CODE: LC987-CN  
 PRODUCT NAME: UNIPURE WHITE LC987  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 7/15/2022

**Certificat REACH / REACH Certificate**

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
CI 77891 [Titanium Dioxide]	Titanium dioxide	13463-67-7	236-675-5	Registered	01-2119489379-17-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.



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## Description du produit / Product Description

Mineral pigment / Pigment minéral  
 High purity rutile titanium dioxide / Oxyde de titane de haute pureté

## Réglementation produit / Product Legislation

We hereby certify that the above material does not contain any substances prohibited by the Cosmetic Regulation (EU) No. 1223/2009 and its amendments.

### Cosmetic Compliance (including amendments) - EU

INCI EU	INCI Hair Dye	CAS	EINECS	1223/2009 Annex	1223/2009 Status	231/2012*	Note	Function
CI 77891	-	13463-67-7	236-675-5	Annex IV	Permitted	E 171	EU-A	Pigment

\*When listed, purity criteria (E XXX) are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - USA

INCI US	Hair Dye	CAS	EINECS	21 CFR*	Certification	Note	Function
Titanium Dioxide	-	13463-67-7	236-675-5	73.2575	Exempted	USA-B	Pigment

\*When listed, 21 CFR requirements are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - CHINA

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 DATE: 7/15/2022

INCI IECIC	INCI Hair Dye	CAS	EINECS	Safety and Technical Standards for Cosmetics (2015) Annex	Safety and Technical Standards for Cosmetics (2015) Purity Criteria*	Note	Function
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CI 77891	-	13463-67-7	236-675-5	Annex VI	Compliant	CH-A	Pigment
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\*When compliant, requirements described in the Technical Standard are met.

"-" means not applicable.

### Cosmetic Compliance (including amendments) - JAPAN

INCI JP	INCI Hair Dye	CAS	EINECS	Standards for Permitted Cosmetics MHLW 331/2000	JSQI	Note	Function
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Titanium Dioxide	-	13463-67-7	236-675-5	Not listed - Permitted	Titanium dioxide	-	JP-A	Pigment
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\*When listed, requirements for the Tar Color are met.

"-" means not applicable.

### Applications

Country	Oral/Lip Care	Eye Area	External	Rinse-Off
EU	Permitted	Permitted	Permitted	Permitted
USA	Permitted	Permitted	Permitted	Permitted
CHINA	Permitted	Permitted	Permitted	Permitted
JAPAN	Permitted	Permitted	Permitted	Permitted

\*To the best of our knowledge, this product is permitted for use in cosmetic formulations as of the date of this TDS in accordance with the inventory information provided above. It remains the responsibility of our customers to verify that their finished products comply with current applicable local regulations. Sensient recommends that the purchaser conduct its own investigations regarding purchaser's use of this product and its own applications.

\*\*This table is not applicable for hair dyes.

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 DATE: 7/15/2022

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### Notes:

EU-A Permitted in all cosmetics.  
 EU-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 EU-C Permitted in all cosmetics with restrictions as hair dye.  
 EU-D Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.  
 EU-E Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.  
 EU-F Permitted exclusively in cosmetic products to come into contact only briefly with the skin.  
 EU-G Not permitted.  
 EU-H Permitted as Hair-dye only with restrictions.  
 EU-I Permitted in all cosmetics except as hair dye.  
 EU-J Permitted in all cosmetics with restrictions.  
 EU-K Permitted only for rinse-off products.  
 EU-L Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.  
 USA-A Not regulated, permitted in all cosmetics.  
 USA-B For coloring cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-C For coloring cosmetics generally.  
 USA-D For coloring externally applied cosmetics.  
 USA-E For coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.  
 USA-F For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-G For coloring externally applied cosmetics, for coloring cosmetic lip products (5% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.  
 USA-H For coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products). Not permitted in mouthwashes, dentifrices or other oral products.  
 USA-I For coloring the following cosmetics only: eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.  
 USA-J For use in toothpastes at not more than 0.1%.  
 USA-K Not allowed to be used in sun care product in the USA as it has not been registered as API.  
 USA-L Not permitted.  
 USA-M For coloring cosmetics generally; except eye area.  
 USA-N Not permitted as color additive. Permitted as Hair dye.  
 USA-O Allowed to be used in sun care products in the USA as it has been registered as API.  
 USA-P Allowed to be used in sun-care products in the USA as it is USP Grade.  
 USA-Q Permitted as hair-dye as it is considered 'coal-tar' or 'synthetic-organic' color. FDA approval is not required (FD&C Act, 601(e)).  
 USA-R For coloring cosmetics, including cosmetics intended for use in the area of the eye (not to be exposed to oxidizing or reducing agents).  
 USA-S For use in coloring hair only; not for use in coloring eyelashes or eyebrows or generally in the area of the eye.  
 CH-A Permitted in all cosmetics.  
 CH-B Permitted in all cosmetics except in applications that may lead to exposure of the end-user's lungs by inhalation.  
 CH-C Permitted in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye

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make-up remover.

CH-D Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes.

CH-E Permitted exclusively in cosmetic products to come into contact only briefly with the skin.

CH-F Permitted in all cosmetics with restrictions as hair dye.

CH-G Not permitted.

CH-H Permitted in all cosmetics except as hair dye.

CH-I Permitted as Hair dye only with restrictions.

CH-J Permitted in all cosmetics with restrictions.

CH-K Permitted as Hair-dye only with restrictions.

CH-L Permitted only for rinse-off products.

CH-M Permitted exclusively in cosmetic products intended not to come into contact with the mucous membranes. Not permitted as hair dye.

JP-A Permitted in all cosmetics.

JP-B Permitted in all cosmetics with restrictions as hair dye.

JP-C Permitted in all cosmetics (this includes lip/oral, eye area, external, and rinse-off).

JP-D Permitted for externally applied cosmetics (this includes eye area, external, and rinse-off).

JP-E Permitted for externally applied cosmetics not applied to mucous membranes (this includes eye area except for eyeliners, external, and rinse-off).

JP-F Permitted for nail and hair products only.

JP-G Not Permitted.

JP-H Permitted only as Hair Dye according to JHCIA ( category II and category III).

JP-I Permitted only as Hair Dye according to JHCIA ( category III) with toxicological data.

JP-J Permitted in all cosmetics with restrictions.

JP-K Permitted as cosmetic ingredient in non-oxidative hair dye.

JP-L Permitted for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye (except for eyeliners).

JP-M Permitted in all cosmetics except as eyeliner.

JP-N Permitted for externally applied cosmetics (except for eye area and lip/oral).

JP-O Permitted only as Hair Dye according to JHCIA (category I).

JP-P Allowed in all cosmetics, except for lip/oral applications and eyeliners.

JP-Q Permitted only as Hair Dye according to JHCIA ( category III).

JP-R Not permitted as hair dye, permitted as cosmetic ingredient.

JP-S Not permitted in lip/oral ; not permitted in eye liners. Permitted in other areas.

JP-T Permitted only for nail and hair care cosmetic products.

## Données physico-chimiques supportées / Supported Chemical and Physical Data

### Données sensorielles / Sensory Data

Test	Min	Max	Data	Uom	Method	Comments
Appearance:			Powder			
Color			White			

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### Données analytiques / Analytical data

Test	Min	Max	Data	Uom	Method	Comments
Water Solubility			Insoluble			

### Physique / Physical

#### Physical and Sensorial Test

#### Target

Water soluble matters at cold / Matières solubles dans l'eau (à froid)	0.3% max
Volatile matter (105°C) / Matières volatiles	0.5% max
Specific area / Surface spécifique	5 - 8 m <sup>2</sup> /g
TiO <sub>2</sub> content / Teneur en TiO <sub>2</sub>	99% min
Ash (800°C) / Cendres	0.5% max
Acid soluble substances / Substances solubles dans l'acide	0.5% max
Fastness to light / Stabilité lumière	Good / Bonne

### Métaux Lourds / Heavy Metals

Heavy Metals	Maximum Concentration
Cadmium	1 ppm
Lead	10 ppm
Arsenic	1 ppm
Mercury	1 ppm
Cobalt	30 ppm
Nickel	10 ppm
Selenium	10 ppm
Antimony	2 ppm
Barium	50 ppm
Copper	50 ppm
Chromium	50 ppm
Zinc	50 ppm

## Propriétés cosmétiques / Cosmetic properties

Outstanding color consistency: DE < 1.2 in method 10-126 / Reproductibilité couleur remarquable : DE < 1.2 dans la méthode 10-126  
 Excellent dispersibility / Excellente dispersibilité.  
 Superior chemical & microbiological purity / Pureté chimique & microbiologique supérieure

## Utilisations conseillées / Suggested uses

Face make-up / Maquillage visage	0.1 - 10%
Eye make-up / Maquillage yeux	0.1 - 30%
Lipstick / Rouge à lèvres	0.1 - 10%
Nail varnish / Vernis à ongles	0.1 - 10%
Skin care / Produits de soins	0.1 - 2%

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Soap / Savon	0.1 - 2%
Tooth paste / Dentifrice	0.1 - 2%

## List of Item Specifications

<b>Product</b>	LC988
<b>Product description</b>	UNIPURE BLACK LC988
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Appearance	POWDER	POWDER	10-010
Odour	NONE	NONE	10-022
Water solubility	INSOLUBLE	INSOLUBLE	10-046
Full shade (delta E < 1,2)	Passed	Passed	10-125
Müller blasting (delta E<1,2)	Passed	Passed	10-126
Antimony (ppm)	0	10	10-210
Arsenic (ppm)	0	1.0	10-213
Barium (ppm)	0	5	10-210
Cadmium (ppm)	0	1.0	10-210
Chromium (ppm)	0	25	10-210
Cobalt (ppm)	0	15	10-210
Copper (ppm)	0	10	10-210
Iron (%)	68.0	100.0	10-139
Lead (ppm)	0	3	10-210
Mercury (ppm)	0	.5	10-213
Nickel (ppm)	0	10	10-210
Selenium (ppm)	0	10.0	10-210
Zinc (ppm)	0	20	10-210
Standard batch number	1120853	1120853	
Pseudomonas Aeruginosa(Neg/1g)	Passed	Passed	ISO 22717
Candida Albicans (Neg/1g)	Passed	Passed	ISO 18416
Staphylococcus Aureus(Neg/1g)	Passed	Passed	ISO 22718

## List of Item Specifications

<b>Product</b>	LC988
<b>Product description</b>	UNIPURE BLACK LC988
<b>Shelf life days</b>	10 Year/s

Analysis	Minimum Value	Maximum Value	Test Method
Escherichia Coli (Neg/1g)	Passed	Passed	ISO 21150
Total Plate Count (CFU/g)	0	100	10-123
Yeasts and molds (CFU/g)	0	100	10-123



## Safety Data Sheet

### Unipure Black Lc988

Safety Data Sheet dated: 21 December 2022 - version 17

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Identification of the substance:

UNIPURE BLACK LC988  
Trade name: Unipure Black Lc988  
Trade code: LC988-CN  
EC number: 215-277-5  
Registration Number 01-2119457646-28-XXXX

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cosmetic Ingredient

Uses advised against: Not available

### 1.3. Details of the supplier of the safety data sheet

Company: Sensient Cosmetic Technologies  
7-9, Rue de l'industrie  
F-95310 SAINT OUEN L'AUMONE,  
France  
Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com

### 1.4. Emergency telephone number

- For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59
- For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

Self-heat. 1 Self-heating: may catch fire.

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

#### Regulation (EC) No 1272/2008 (CLP):

#### Hazard pictograms and Signal Word



Danger

#### Hazard statements

H251 Self-heating: may catch fire.

#### Precautionary statements

P235 Keep cool.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...  
P407 Maintain air gap between stacks or pallets.  
P413 Store bulk masses greater than 100 kg/200 lbs at temperatures not exceeding 60°C/140°F.  
P420 Store separately.

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

This substance has no PBT, vPvB or endocrine disrupting properties

Other Hazards: No other hazards

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance Identifications: Triiron tetraoxide  
CAS number: 1317-61-9  
EC number: 215-277-5

### 3.2. Mixtures

Not determined

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not determined

### 4.3. Indication of any immediate medical attention and special treatment needed

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>).  
CO<sub>2</sub> or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion or combustion gases.  
Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water. Do not discharge into drains.  
Move undamaged containers from immediate hazard area but only if it can be done safely.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.  
Remove persons to safety.  
See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand  
Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
 Don't use empty container before they have been cleaned.  
 Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
 Contaminated clothing should be changed before entering eating areas.  
 Do not eat or drink while working.  
 See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:

None in particular.

Instructions regarding storage premises:

Cool and adequately ventilated.

### 7.3. Specific end use(s)

Recommendation(s)

Storage temperature <60°C

Industrial sector specific solutions:

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not determined

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State: Solid  
 Odour: Not determined  
 pH: 6.50  
 Kinematic viscosity: Not determined  
 Melting point / freezing point: 1538 °C (2800 °F) Notes: 1538 °C  
 Initial boiling point and boiling range: Not determined  
 Flash point: Not Applicable  
 Upper/lower flammability or explosive limits: Not determined  
 Vapour density: Not determined  
 Vapour pressure: Not determined  
 Relative density: 5.20 g/cm<sup>3</sup>  
 Solubility in water: Insoluble  
 Solubility in oil: Insoluble  
 Partition coefficient (n-octanol/water): Not determined  
 Nanoforms dispersion stability  
 Auto-ignition temperature: Not determined  
 Decomposition temperature: Not determined  
 Flammability: Not classified  
 Volatile Organic compounds - VOCs = Not Available

#### Particle characteristics:

Particle size: Not determined

Nanoforms: Does not contain nanoform according to REACH regulation

### 9.2. Other information

Explosive properties: ST0

Evaporation rate: Not determined

Miscibility: Not determined  
Conductivity: Not determined  
No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Avoid heating.

### 10.5. Incompatible materials

Strong oxidizers.

Avoid contact with combustible materials. The product could catch fire.

### 10.6. Hazardous decomposition products

Data not available.

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## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicological Information of the Substance

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 5000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met Skin Irritant No Irritant effect
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met Eye Irritant No Irritant effect
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met Skin Sensitization Negative
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### 11.2 Information on other hazards

#### Endocrine disrupting properties:

This substance has no endocrine disrupting properties

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

### 12.2. Persistence and degradability

Not Available

### 12.3. Bioaccumulative potential

Not Available

### 12.4. Mobility in soil

Not Available

### 12.5. Results of PBT and vPvB assessment

This substance has no PBT or vPvB properties

### 12.6 Endocrine disrupting properties

This substance has no endocrine disrupting properties

### 12.7 Other adverse effects

Not Available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

German Water Hazard Class Class 3: extremely hazardous.

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## SECTION 14: Transport information

### 14.1. UN number or ID number

3190

### 14.2. UN proper shipping name

ADR-Shipping Name: SELF-HEATING SOLID, INORGANIC, N.O.S. (Triiron tetraoxide)

IATA-Shipping Name: SELF-HEATING SOLID, INORGANIC, N.O.S. (Triiron tetraoxide)

IMDG-Shipping Name: SELF-HEATING SOLID, INORGANIC, N.O.S. (Triiron tetraoxide)

### 14.3. Transport hazard class(es)

ADR-Class: 4.2

IATA-Class: 4.2

IMDG-Class: 4.2

### 14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

### 14.5. Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: F-A, S-J

### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: 4.2

ADR - Hazard identification number: 40

ADR-Special Provisions: 274

ADR-Transport category (Tunnel restriction code): 2 (D/E)

Air ( IATA ) :

IATA-Passenger Aircraft: 467

IATA-Cargo Aircraft: 470

IATA-Label: 4.2

IATA-Subsidiary hazards: -

IATA-Erg: 4L

IATA-Special Provisions: A3 A803

Sea (IMDG):

IMDG-Stowage Code: Category C

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisions: 274

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

Regulation (EU) No 649/2012 (PIC regulation)

German Water Hazard Class.

NWG: Not hazardous for water

### Lagerklasse according to TRGS 510:

LGK 4.2

SVHC Substances:

None > 0.1%

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

In December 2003, the National Institute for Occupational Safety and Health

(NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a

report entitled "Respiratory Safety in the Flavoring Manufacturing

Workplace." Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

Both these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The contents in these reports are generally applicable to the use of any material in the workplace, and it is recommended that they be reviewed.

Advice on training: the user should be trained to handle the mixture / substances with respect to:

Possible hazards. See section 2.

Appropriate personal protective clothing. See section 8.

Appropriate engineering controls including the use of extraction equipment. See section 8.

First aid measures. See section 4.

Fire-fighting measures. See section 5.

Handling spillages. See section 13.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists  
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity estimate of the mixture  
BCF: Biological Concentration Factor  
BEI: Biological Exposure Index  
BOD: Biochemical Oxygen Demand  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 9: Physical and chemical properties
- SECTION 16: Other information

## Reach Certificate

PRODUCT CODE: LC988  
 PRODUCT NAME: UNIPURE BLACK LC988  
 COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
 PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
 DATE: 8/18/2022

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

We hereby certify that the material in reference meets the requirements of the REACH regulation (EC) n°1907/2006 and the cosmetics uses are covered (PC39). We remind you that, apart from the REACH regulation, the use of our products in the cosmetic field is regulated in Europe by the dispositions of the Cosmetic regulation (EC) n°1223/2009 and its modifications or by any other local regulation in place in the various concerned countries.

Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
CI 77499 [Iron Oxides]	Triiron tetraoxide	1317-61-9	215-277-5	Registered	01-2119457646-28-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.



## Reach Certificate

PRODUCT CODE: LC388  
PRODUCT NAME: UNIPURE RED LC 388  
COMPANY NAME & ADDRESS: Sensient Cosmetic Technologies 7-9, Rue de l'industrie F-95310 SAINT OUEN L'AUMONE, France Tel: +33 (0) 1.34.48.57.00 Fax: +33 (0) 1.34.64.44.40 email: msds@sensient-cosmetics.com  
PHONE: • For emergencies involving dangerous goods, contact ORFILA : 33 (0) 1 45.42.59.59 • For non-hazardous goods, contact SENSIENT Tel: 33 (0)1 34 48 57 00  
DATE: 4/22/2022

### Certificat REACH / REACH Certificate

Nous certifions que la matière en référence est conforme aux exigences du règlement REACH (EC) n°1907/2006 et que les usages cosmétiques sont couverts (PC39). Nous vous rappelons qu'en marge du règlement REACH, l'utilisation de nos produits dans le domaine cosmétique est régie en Europe par les dispositions du règlement Cosmétique (EC) n°1223/2009 et ses modifications ou tout autre réglementation locale applicable dans les différents pays concernés.

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Pour plus d'informations:

For more information:

INCI Name	IUPAC Name	CAS	EINECS	Status	Reg #
CI 77491 [Iron Oxides]	Diiron Trioxide	1309-37-1	215-168-2	Registered	01-2119457614-35-XXXX

This product information is provided in good faith and, while believed to be accurate and reliable, is given without guarantee or warranty of any kind, expressed or implied. Purchaser assumes all risk in acting on this information. Sensient recommends that the purchaser conducts their own investigations and evaluations regarding purchaser's use of this product in their applications. In no case shall this information be considered a part of Sensient's terms and conditions of sale.