



Safety Data Sheet

UNIPURE WHITE LC981 AS-EM

Safety Data Sheet dated 1/18/2018 version 5

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

1.1 Product Identifier

Mixture identification:

Trade name: UNIPURE WHITE LC981 AS-EM

Trade code: LC981ASE

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/ undertaking identification: 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

0 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 Ingredients are present

Other Hazards: No other hazards

Hazards not otherwise classified identified during the classification process

SECTION 3: Composition/information on ingredients

3.1 Substances

Not Available

3.2 Mixtures

Mixture identification: UNIPURE WHITE LC981 AS-EM

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

Qty	Name	Ident. Numb.	Classification	Registration Number
90-100 %	Titanium dioxide	CAS:13463-67-7 EC:236-675-5		01-2119489379-17-XXXX
1-3 %	TRIETHOXYCAPRYLYLSILANE	CAS:2943-75-1 EC:220-941-2	Skin Irrit. 2, H315	

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of skin contact:

Wash with plenty of water and disinfectant/non-abrasive soap.

In case of eye contact:

Wash immediately with water.

In case of ingestion:

Do not induce vomiting, get medical attention showing the MSDS 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 Available

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water, CO₂, foam, chemical powders, according to the materials involved in the fire.

In case of fire, use foam, dry chemical, CO₂.

Unsuitable extinguishing media:

None in particular.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3 Advice for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area 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 of it following local legislation.

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

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).

6.3 Methods and material for containment and cleaning up

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).

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 as regards 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

Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
Titanium Dioxide	ACGIH		10				A4 - Not Classifiable as a Human Carcinogen; lower respiratory tract irritation;
	NATIONAL	France	10				
	NATIONAL	Spain	10				
	NATIONAL	Portugal	10				
	NATIONAL	Belgium	10				
	NATIONAL	Poland	10.0				total dust
	NATIONAL	Russian Federation	10				
	NATIONAL	United Kingdom	10		30		
	NATIONAL	United Kingdom	10		12		
	NATIONAL	United Kingdom	4		30		
	NATIONAL	Germany	3.000		6.000		alveolate fraction
	NATIONAL	Germany	10.000		20.000		inhalable fraction
	EU		10.000				
	NATIONAL	Austria	5.000				respirable dust
	NATIONAL	Austria			10.000		2 times per shift, 60 minute(s). Form: respirable dust.
	NATIONAL	Bulgaria	10.000				Respirable dust
	NATIONAL	Croatia			4.000		Respirable Dust
	NATIONAL	Croatia			10.000		Total Dust
	NATIONAL	Denmark	6.000				
	NATIONAL	Estonia	5.000				
	NATIONAL	Finland	10.000				
	NATIONAL	Greece	10.000				inhalable fraction
	NATIONAL	Greece	5.000				respirable fraction
	NATIONAL	Hungary	10.000				Egyéb.Inert porok (Inert Dust) Totalis
	NATIONAL	Hungary	6.000				Egyéb.Inert porok (Inert Dust) Respirabilis
	NATIONAL	Ireland	10.000				inhalable dust
	NATIONAL	Ireland	4.000				respirable dust
	NATIONAL	Italy	10.000				
	NATIONAL	Latvia	10.000				
	NATIONAL	Lithuania	5.000				
	NATIONAL	Netherlands	10.000				inhaleerbaar stof
	NATIONAL	Netherlands	5.000				respirabel stof

NATIONAL	Norway	5.000			
NATIONAL	Romania	10.000		15.000	
NATIONAL	Slovakia (Slovak Republic)	1.500			respirable aerosols
NATIONAL	Sweden	5.000			total dust
NATIONAL	Switzerland	3.000			respirable dust

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC LIMIT	Exposure Route	Exposure Frequency	Remark
Titanium Dioxide	13463-67-7	1.000	Fresh Water		
		mg/l			
		1000.	Freshwater		
		000	sediments		
		mg/kg			
		0.127	Marine water		
		mg/l			
100.000	Marine water				
mg/kg	sediments				
100.000	Soil				
mg/kg	(agricultural)				
100.000	Microorganisms				
mg/kg	in sewage				
	treatments				
1667.	Food chain				
000					
mg/kg					

Derived No Effect Level (DNEL) values

Component	CAS-No.	Worker Industry	Worker Professi onal	Consum er	Exposure Route	Exposure Frequency	Remark
Titanium Dioxide	13463-67-7	10.000	10.000 mg/m3		inhalative		Long Term, local effects
				700.000 mg/m3	Oral		Long Term, systemic effects

8.2 Exposure controls

Eye/face protection:

Eye glasses with side protection.

Skin protection:

Chemical protection clothing.

Hand protection:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not Available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State Solid

Appearance: Powder, White

Odour: Characteristic

Odour threshold: Not Available

pH: Not Available

Melting point/ range: Not Available

Boiling point/ range: Not Available

Flash point: Not Applicable

Evaporation rate: Not Available

Upper/lower flammability or explosive limits: Not Available

Vapour density: Not Available

Vapour pressure (20°C): Not Available

Density (20°C): Not Available

Water solubility: Insoluble

Lipid solubility: Dispersible

Partition coefficient (n-octanol/water): Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: Not Available
Viscosity (20°C): Not Available
Explosive properties: ST0
Oxidising properties: Not Available
Flammability (Solid, Gas): Not Available
Volatile Organic compounds - VOCs = Not Available

9.2 Other information

Substance group relevant properties: Not Available
Miscibility: Not Available
Conductivity: Not Available

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

Burning produces carbon monoxide and/or carbon dioxide.

10.4 Conditions to avoid

Stable under normal conditions of temperature and pressure.

10.5 Incompatible materials

Avoid strong oxidizing agents, peroxides, acids, alkali metals.

10.6 Hazardous decomposition products

Burning produces carbon monoxide and/or carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological Information:

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

Toxicological Information of the Preparation

UNIPURE WHITE LC981 AS-EM	d) respiratory or skin sensitisation	Skin Sensitization Negative	Repeated insult patch test (Marzulli & Maibach) (EpiDerm Test - Human reconstructed epidermis) (EpiOcular Test - Stratified squamous epithelium)
	b) skin corrosion/irritation	Skin Irritant No Irritant effect	
	c) serious eye damage/irritation	Eye Irritant Non irritating, minimal	
	a) acute toxicity	LD50 Oral Rat > 2000.00000 mg/kg	

Toxicological information on main components of the mixture:

Titanium dioxide	a) acute toxicity	LD50 Oral Rat > 10000.00000 mg/kg
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TRIETHOXYCAPRYLYLSILA NE	b) skin corrosion/irritation	Skin Irritant Human No Irritant effect
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	c) serious eye damage/irritation	Eye Irritant Slightly irritant
	a) acute toxicity	LD50 Rat = 10060.00000 µL/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure

i) STOT-repeated exposure

j) aspiration hazard

SECTION 12: Ecological information

12.1 Toxicity

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

Eco-toxicity:

List of Eco-Toxicological properties of the components

Quantity	Component	Ident. Numb.	Ecotox Data
1-3 %	TRIETHOXYCAPRYLYLSILANE	CAS: 2943-75-1 - 67-548-EC: 220-941-2	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss > 0.05500 mg/l 96h OECD 203 a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna > 0.04900 mg/l 48h OECD 202 a) Aquatic acute toxicity : EC50 Algae Pseudokirchnerella subcapitata > 0.13000 mg/l 72h OECD 201

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 Ingredients are present

12.6 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

N/A

14.2 UN proper shipping name

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical 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 Qty: 0.00

High Toxicity Ingredients Qty: 0.00

Marine pollutant: No

Environmental Pollutant: No

14.6 Special Precautions for User

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR-Upper 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-Sub Risk: N/A
IATA-Erg: N/A
IATA-Special Provisioning: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Sub Risk: N/A
IMDG-Special Provisioning: N/A
IMDG-Page: N/A
IMDG-Label: N/A
IMDG-EMS: N/A
IMDG-MFAG: N/A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 453/2010 (Annex II)

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

German Water Hazard Class.

Not Available

SVHC Substances:

No Data Available

15.2 Chemical Safety Assessment

Chemical Safety Assessment: No

SECTION 16: Other information

Code	Description
H315	Causes skin irritation.

Code	Hazard class and hazard category	Description
3.2/2	Skin Irrit. 2	Skin irritation, 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

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

This MSDS cancels and replaces any preceding release.

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

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization

Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CLP: Classification, Labeling, Packaging

EINECS: European Inventory of Existing Commercial Chemical Substances

INCI: International Nomenclature of Cosmetic Ingredients

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GefStoffVO: Ordinance on Hazardous Substances, Germany

LC50: Lethal concentration, for 50 percent of test population

LD50: Lethal dose, for 50 percent of test population

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

TLV: Threshold Limiting Value

TWATLV: Threshold Limiting Value for the Time Weighted Average 8 hour day.(ACGIH Standard)

STEL: Short Term Exposure limit

STOT: Specific Target Organ Toxicity

WGK: German Water Hazard Class

KSt: Explosion coefficient

*** Sheet model entirely changed in compliance to regulatory update.**