Cetearet-25

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Revision Date: 24-Mar-2025
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1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Ceteareth-25
Synonyms: No data available
INCI Name: Ceteareth-25
CAS Number: 68439-49-6
Formula: No data available
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Eye Dam./Irrit. 2B: Serious eye damage/eye irritation.
Aquatic Acute 2: Hazardous to the aquatic environment – acute.
Combustible Dust (1)

GHS Signal Word: **WARNING!**

GHS Labeling: This classification is based on the current CESIO recommendations. This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

GHS Hazard Pictograms: None.

GHS Hazard Statements: May form combustible dust concentration in air.
H320: Causes eye irritation.
H401: Toxic to aquatic life.

GHS Precautionary Statements: (Prevention) P273: Avoid release to the environment.
P264: Wash with plenty of water and soap thoroughly after handling.
(Response) P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P311: If eye irritation persists: Call a POISON CENTER or doctor/physician.
(Disposal) P501: Dispose of contents/container to hazardous or special waste collection point.

Potential Health Hazards: Eyes: Causes eye irritation.
Inhalation: May be an irritant.
Skin: Not expected to be an irritant.
Ingestion: May cause nausea, vomiting, and diarrhea.

NFPA Ratings (704):

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

HMIS III Ratings:

Health	1	Slight
Flammability	1	Slight
Physical Hazard	0	Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Ceteareth-25	68439-49-6	80 - 100%	Not Available

4 FIRST AID MEASURES

Eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Inhalation:	Keep patient calm, remove to fresh air.
Skin:	Wash thoroughly with soap and water.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth and then drink 200 - 300 ml of water.
Physician Notes:	No significant symptoms are expected due to the non-classification of the product. Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (dry powder, foam) for surrounding environment and adjacent fire. Do not use carbon dioxide as an extinguisher.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	392ºF (>200˚C)
Specific hazards arising from the chemical:	Avoid whirling up the material/product because of the danger of dust explosion. The substances/groups of substances mentioned can be released in case of fire; harmful vapors, carbon oxides, evolution of fumes/fog. Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Forms slippery surfaces with water. Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Non-sparking tools should be used. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Avoid raising dust. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Protect against moisture. Shut containers immediately after taking product because product takes up the humidity of air. Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling. No special measures necessary provided product is used correctly. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Suitable materials for containers include: High density polyethylene (HDPE), low density polyethylene (LDPE), stainless steel 1.4301 (V2), stainless steel 1.4306 (V2A), stainless steel 1.4361, stainless steel 1.4401, stainless stel 1.4439, stainless steel 1.4539, stainless steel 1.4541, stainless steel 1.4571, stove-lacquer RDL 50. Containers should be stored tightly sealed in a dry place. Storage temperature should be 86ºF (≤30˚C). Keep container dry. The product is not damaged by low temperatures or by frost. Properties of the product change irreversibly on exceeding the limit temperature. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Ceteareth-25	No data available		

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes: Wear tightly fitting safety goggles (chemical goggles) and face shield.

Inhalation: Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Body: Wear chemical resistant protective gloves. Body protection must be chosen based on level of activity and exposure.

Other: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents, or an explosion suppression system, or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pastilles	**Vapor Pressure:**	< 0.1 hPa (20°C)
Odor:	Product specific	**Vapor Density:**	Not applicable
Odor Threshold:	Not determined	**Evaporation Rate:**	Product is a non-volatile solid.
Color:	Colorless to yellowish	**Flammability:**	Hardly combustible
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	For solids not relevant for classification and labelling.
pH:	approx. 7 (50 g/l, 23°C)	**Flash Point:**	392ºF (>200°C)
Boiling Point:	>482ºF (>250°C)	**Specific Gravity:**	No data available
Melting Point:	Approx. 46°C	**Water Solubility:**	Soluble
Density:	approx. 1.02 g/cm3 (60°C)	**Solubility (Qualitative):**	Soluble in Ethanol
Bulk Density:	approx. 600 kg/m3	**Auto-Ignition Temperature:**	>572ºF (>300°C)
Partition Coefficient: n-octanol/water:	Not applicable	**Self-Ignition Temperature:**	Not self-igniting
Dynamic Viscosity:	approx. 70 mPa.s (60°C)	**Thermal Decomposition:**	662ºF (>350°C) (DTA)
Kinematic Viscosity:	Not applicable, the product is a solid	**Explosive Properties:**	No data available
Oxidizing Properties:	No data available	**Dust Explosion Class:**	1 (Kst-value >0, ≤200 bar m s-1).
Drop Point:	Approx. 45°C	**Solidification:**	Approx. 38°C

10 STABILITY AND REACTIVITY

Reactivity:	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical Stability:	The product is stable if stored and handled as prescribed/indicated.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Avoid dust formation and sources of ignition.
Incompatible Materials:	Caustics, halogens, alkalines, acids, reactive chemicals.
Hazardous Decomposition Products:	No hazardous decomposition products if stored and handled as prescribed/indicated.
Possible Hazardous Reactions:	The product is chemically stable. Dust explosion hazard.
Metal Corrosion:	Corrosive effects to metal are not anticipated.
Oxidizing Properties:	Not fire-propagating.
Dust Explosivity Characteristics:	Kst: approx. 16 m.bar/s (DIN EN 14034-2) SIK-Nr. 10/1607 07.10.2010. Dust explosion class 1 (Kst-value >0 up to 200 bar m s-1) (St 1).
Minimum Ignition Energy:	1 - 4 J, 1,013 hPa, Inductivity: 1 mH, Grain size distribution: 20 - 400 µm (DIN EN 13821) The product is capable of dust explosion.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Assessment of acute toxicity: Virtually nontoxic after a single ingestion.
Skin:	(Rabbit) Result: non-irritant (Literature data).

Eyes:	(Rabbit) Result: Slightly irritating (Literature data).
Inhalation:	No data available.
Ingestion:	(Rat) LD50; Value: > 5,000 mg/kg (Literature data).
Primary Routes of Exposure:	Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.
Carcinogenicity:	Based on the structure there is no suspicion of a carcinogenic effect.
Teratogenicity:	Based on the ingredients, there is no suspicion of a teratogenic effect.
Germ Cell Mutagenicity:	No data available.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
Repeated Dose Toxicity:	The information available on the product provides no indication of toxicity on target organs after repeated exposure.
Genetic Toxicity:	Based on the structure, there is no suspicion of a mutagenic effect.
Reproductive Toxicity:	Based on the ingredients, there is no suspicion of a toxic effect on reproduction.
Sensitization:	Based on the structure, there is no suspicion of a skin-sensitizing potential.
Irritation/Corrosion:	Assessment of irritating effects: Eye contact causes irritation. Not irritating to the skin.
Aspiration Toxicity:	Not applicable.
Other Information:	The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	(Leuciscus idus) LC50 (96 hours) > 1 - < 10 mg/l (Literature data).
Aquatic Invertebrate:	(Daphnia magna) EC50 > 1 - < 10 mg/l (Literature data).
Aquatic Plants:	(Algae) EC50 > 10 - <100 mg/l (growth rate), algae acute effect (Literature data). (Algae) EC10 > 1 mg/l (growth rate) long-term effect (Literature data).
Terrestrial:	No data available concerning terrestrial toxicity.
Persistence and Degradability:	Readily biodegradable (according to OECD criteria).
Bioaccumulative Potential:	Accumulation in organisms is not to be expected.
Mobility in Soil:	The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.
Elimination Information:	> 60 % CO_2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) ≥ 90% Bismuth-active substance (mod. OECD 303A).
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.
Additional Information:	Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations. The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Do not discharge into drains/surface waters/groundwater. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
Product Containers:	Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not classified as a dangerous good under transport regulations.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not classified as a dangerous good under transport regulations.

IATA (International Air Transport Association):	Not classified as a dangerous good under transport regulations.
ICAO (International Civil Aviation Organization):	Not classified as a dangerous good under transport regulations.

15 REGULATORY INFORMATION

TSCA Inventory Status:	Released / exempt.
EPCRA 311/312:	Refer to SDS section 2 for GHS hazard classes applicable for this product.
CERCLA Reportable Quantity:	100 LBS; CAS: 123-91-1; Chemical Name: 1,4-dioxane. 10 LBS; CAS; 75-21-8; Chemical Name: Ethylene Oxide.
California Prop. 65:	WARNING: This product can expose you to chemicals including ETHYLENE OXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
Korea (KECI):	No data available.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date:	24-Mar-2025
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.