



Safety Data Sheet

1. Identification

Product Name: Ceteareth 20

CAS Number: 68439-49-6

Material Uses: Active ingredient in cosmetic and personal care applications. Use in accordance with applicable guidelines.

Restrictions on Use: Repackaged for cosmetic and personal care use only.

Distributor: Divinity Cosmetic Supply, LLC.

Address: PO Box 880474, Port Saint Lucie, Florida, 34988 USA

Email: contact@divinitycosmeticsupply.com

Emergency Number: (772) 228-0137

2. Hazards Identification

Classification

Acute toxicity - Oral, Category 4

Skin corrosion/irritation, Category 2

Serious eye damage/eye irritation, Category 1

Hazardous to the aquatic environment - acute, Category 2

Label Elements

Hazard Pictograms



Signal Word

Danger

Hazard Statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H401 Toxic to aquatic life.

Precautionary Statements

- P264** Wash thoroughly after handling.
- P270** Do not eat, drink or smoke when using this product.
- P273** Avoid release to the environment.
- P280** Wear protective gloves/protective clothing/eye protection/face protection.

- P301+P312** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330** Rinse mouth.
- P302+P352** IF ON SKIN: Wash with plenty of soap and water.
- P332+P313** If skin irritation occurs: Get medical advice/attention.
- P362+364** Take off contaminated clothing and wash it before reuse.
- P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310** Immediately call a POISON CENTER or doctor/physician.
- P501** Dispose of contents / container in accordance with current legislation.

3. Composition / Information on Ingredients

INCI NAME	CAS NO.
Cetareth-20	68439-49-6

Product Type Substance

Impurities contributing to classification

There are no impurities which contribute to the classification of the substance

4. First-Aid Measures

- Ingestion** Seek prompt medical attention. Do not induce vomiting. Vomiting should only be induced by medical personnel. If vomiting occurs, keep the head lower than chest to avoid aspiration into the lungs. Never give anything by mouth to an unconscious or convulsing person.
- Inhalation** Seek prompt medical attention. Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
- Skin Contact** Remove contaminated clothing and shoes. Wash affected areas with plenty of running water, preferably under a shower. Seek prompt medical attention.
- Eye Contact** Immediately flush with plenty of running water for at least 15 minutes, keeping eyelids open. Remove contact lenses if easy to do. Seek prompt medical attention.

Most Important Symptoms or effects both acute or delayed

Ingestion- In large amounts may cause gastrointestinal irritation and liver damage.
 Inhalation- Due to your low vapor pressure is unlikely to cause inhalation problems at room temperature. Skin- It is unlikely that exposure to small amounts for short periods, may have any irritant or toxic effect. Prolonged or repeated contact may cause irritation. Eyes- It may cause irritation.

Notes to Physician There is not known any specific antidote.
Direct the treatment in accordance with the symptoms and clinical conditions of the patient.

5. Fire Fighting Measures

Extinguishing Media In case of fire, use:
Alcohol resistant foam.
Water spray.
Carbon dioxide (CO₂).
Dry chemical powder.

Specific Hazards Product is not flammable.
Dust/air mixtures may ignite or explode.
In case of combustion, it may generate carbon monoxide, besides CO₂.

Protective Measures for Firefighters

Water jets should not be used directly on igniting products because it may disperse the material and intensify the fire.

Self-contained breathing apparatus and protective clothing are required.

Cool the intact fire-exposed containers with water spray and remove them.

NFPA Rating	Health	1
	Flammability	1
	Instability	0
	Special	-

6. Accidental Release Measures

Personal Precautions Isolate and signalize area.
Keep heat and/or ignition sources away.
Use personal protection equipment as indicated in Section 8, in order to avoid contact with spilled product.

Environmental Precautions Prevent product from entering into soil and waterways.
Notify the competent authorities if the product has run into drainage systems or watercourse or has contaminated the ground or vegetation.

Methods for Clean-up and Containment Stop if possible.
Contain and dike spilled product with earth or sand.
Eliminate ignition or heat sources.
Transfer to proper container.
Collect remnants with an appropriate absorbent material.
Wash the contaminated surface with water, which should be collected for disposal.

7. Handling and Storage

Safe Handling	Use in a well-ventilated area. Avoid inhalation and contact with eyes, skin or clothing through proper protection. If occurs accidental contact, exposed area should be washed immediately. Emergency eyewashes and showers shall be located in accessible locations. Wash hands and face thoroughly after handling. Wash contaminated clothing before reuse.
Safe Storage	Store in a covered and well-ventilated area, away from sunlight and sources of heat or open flames. Ensure that the storage location has adequate moisture, pressure and temperature. Keep containers tightly closed when not in use. Provide proper grounding to prevent static electricity buildup.
Incompatibilities	Avoid contact with: Strong oxidizing agents. Acids. Combustible materials.
Packaging Material	Recommended: Stainless steel. Coated carbon steel with: Vinyl ester resin. Polyethylene.

8. Exposure Controls / Personal Protection

Controls Parameters

TLV-TWA (ACGIH)	1,4-Dioxane: 20 ppm; 72 mg/m ³ [Skin]. Ethylene oxide: 1 ppm; 1.8 mg/m ³ . Skin - Danger of cutaneous absorption.
PEL-TWA (OSHA)	1,4-Dioxane: 100 ppm; 360 mg/m ³ [Skin]. Ethylene oxide: 1 ppm. Skin - Danger of cutaneous absorption.
TLV-STEL (ACGIH)	Not established.
LT(NR15)	Ethylene oxide: 39 ppm; 70 mg/m ³ .
Odor Threshold	Not available.
IDLH	1,4-Dioxane: 500 ppm. Ethylene oxide: 800 ppm.

Biological Exposure Indices (ACGIH) Not established.

Engineering Controls Measures

In closed environments, this product should be handled keeping proper exhaust (general diluter or local exhauster).

Individual Protection Measures

Eye Protection Side shields or wide vision safety goggles.

Skin Protection PVC apron.
It is recommended to adopt safety boots/shoes.

Hand Protection Gloves made of: Rubber. PVC (Polyvinyl chloride).

Breathing Equipment In case of emergency or contact with high concentrations of the product, wear an air supplied mask or self-contained breathing apparatus. It is recommended to wear a face mask with mechanical filter in case of exposure to the particulate material.

9. Physical and Chemical Properties

Appearance	Solid. White
Odour and Odour threshold	Not available.
pH	6.0 - 8.0 (sol. 1% / 25°C).
Melting point/Freezing point	44 °C.
Initial Boiling Point and Boiling Range	It decomposes before reaches boiling point at atmospheric pressure.
Flash point	275 °C (open cup).
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density (air = 1)	Not available.
Relative density (water=1)	1.09 g/cm ³ (25 °C).
Apparent density	Not available.
Solubility	Soluble in water (20 ° C for 1 hour / concentration of 0.5%). Soluble in acetone.
Partition Coefficient n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	29 cP (70 °C).

10. Stability and Reactivity

Chemical Stability Stable under normal conditions of use and storage.

Reactivity No hazardous reactivity is expected.

Possibility of Hazardous Reactions	Not polymerize.
Conditions to Avoid	High temperatures, ignition sources and prolonged exposure to the air.
Incompatible Materials	Avoid contact with: Strong oxidizing agents. Acids. Combustible materials.
Hazardous Decomposition Product	In case of combustion it may generate carbon monoxide, besides CO ₂ .
Consideration of Use	Not applicable.

11. Toxicological Information

Acute Toxicity

Oral	LD50, rat: 1260 mg/kg.
Inhalation	Not available.
Dermal	LD50, rabbit: > 2000 mg/kg.
Skin Irritation	Mild to moderate irritant (rabbit, 500 µL/24h).
Serious Eye Irritation	Moderado to severe irritant (rabbit, 100 µL/24h).
Skin Sensitization	Ethoxylated alcohols with similar structure are not considered to be skin sensitizers (guinea pig).
Germ Cell Mutagenicity	The molecular structure of ethoxylated alcohols are not of concern for potential genotoxicity and/or mutagenicity.
Carcinogenicity	Ethoxylated alcohols are not carcinogenic (oral and dermal tests).
Reproductive Toxicity	Ethoxylated alcohols not cause reproductive toxicity when applied orally or dermally. NOAEL, oral, rat: > 250 mg/kg.

Specific Target Organ Toxicity – Single Exposure

Not available.

Specific Target Organ Toxicity – Repeated Exposure

NOAEL, 90d, oral, rat: 100 mg/kg.

Aspiration Hazard	Not expected to be an aspiration hazard.
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12. Ecological Information

Ecotoxicity	Fish – LC50, 96h, Brachydanio rerio: 2.9 mg/L. Invertebrate – EC50, 48h, Daphnia magna: 18 mg/L.
Persistence & Degradability	65-75% ThOD, 28 d. Readily biodegradable.
Bioaccumulative Potential	It is not expected to bioaccumulate in the environment.
Mobility in Soil	Not available.
Other Adverse Effects	Not applicable.

13. Disposal Considerations

Recommended Methods of Disposal

Product	The preferred options for disposal include reuse, recycling, co-processing, and finding a use for a byproduct, incineration or other thermal destruction process at licensed facilities. All procedures must follow specific operation standards in order to reduce health, safety and environmental risks. Perform co-processing, incineration or other thermal destruction process at facilities capable of minimizing or reducing air pollution emissions. The disposal must comply with federal, state, and local laws and regulations in accordance with the environmental agencies.
Product Remains	Same method as indicated for product.
Packaging	Do not cut or pierce the packaging, nor do hot work near them. Do not remove labels until the product has been fully removed and the packaging cleaned. The preferred options for disposal include reuse, recycling or reclamation at licensed facilities. All procedures must follow specific operation standards in order to reduce health, safety and environmental risks. The disposal must comply with local legislation and in accordance with standards from local environmental agencies.

14. Transportation Information

Land Transport ANTT

Product not classified as hazardous in accordance with Resolution 420/2004 - Transport Ministry.

UN number	N/A
Proper Shipping Name	Not classified.
Hazard Class	Not classified.
Hazard Number	Not classified.
Packaging Group	Not classified.

Maritime transport

IMDG

Product not classified as hazardous in accordance with IMDG Code - 2012 Edition – IMO (International Maritime Organization).

UN number	N/A
Proper Shipping Name	Not classified.
IMDG Class	Not classified.
Packaging Group	Not classified.
EmS	Not classified.

Air Transport ICAO-TI and IATA-DGR

Product not classified as hazardous in accordance with Dangerous Goods Regulations - 56th Edition - IATA (International Air Transport Association).

Un number	N/A
Proper Shipping Name	Not classified.
ICAO/IATA Class	Not classified.
Label	Not classified.
Packaging Group	Not classified.

Land Transportation U.S DOT

Product not classified as hazardous in accordance with U.S. DOT (United States Department of Transportation) - 49 CFR 172.101.

Packaging Type	Bulk and Non-bulk
Proper Shipping Name	Not classified.
Hazard Class	Not classified.
ID Number	Not classified.
Packaging Group	Not classified.
Remarks	Not classified.

15. Regulatory Information

Applicable Standards	Resolution 420 / 2004 – Transport Ministry. Dangerous Goods by Road (ADR) – Available from January 1st, 2011 – Unece (United Nations Economic Commission for Europe). Dangerous Goods Regulations - 56th Edition - IATA (International Air Transport Association). IMDG Code - 2012 Edition - IMO (International Maritime Organization). U.S.A Department of Transportation – DOT – 49 CFR 172.101.
OSHA Hazard Communication	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
SARA Title III – Section 311/312 (40 CFR Subpart B and C)	Immediate (Acute) Health Hazard: Yes. Delayed (Chronic) Health Hazard: No. Fire Hazard: No. Sudden Release of Pressure Hazard: No. Reactive Hazard: No.

**SARA Title III – Section 313
(40 CFR 372.65)**

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

**SARA Title III – Section 302
(40 CFR 355 Appendix A)**

Ethylene oxide (CAS 75-21-8): max. 10 ppm. TPQ: 1000 lbs.

**CERCLA
(40 CFR 302.4 / SARA 304)**

1,4-Dioxane (CAS 123-91-1): max. 10 ppm. RQ: 100 lbs.
Ethylene oxide (CAS 75-21-8): max. 10 ppm. RQ: 10 lbs.
Reportable Quantity (RQ) of this product is 1000000 pounds based upon Ethylene oxide which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ/ % of that ingredient in the product.

**New Jersey Hazardous
Substances List**

1,4-Dioxane: Substance# 0789 (Special Health Hazard Code: CA – Carcinogen; F3 – Flammable 3rd degree).
Ethylene oxide: Substance# 0882 (Special Health Hazard Code: CA – Carcinogen; MU – Mutagen; TE – Teratogen; F4 – Flammable 4th degree; R3 – Reactive 3rd degree).

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

- 1,4-Dioxane.
- Ethylene oxide.

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

- Ethylene oxide.

**Pennsylvania Hazardous
Substances List**

1,4-Dioxane (CAS 123-91-1) and Ethylene oxide (CAS 75-21-8): Listed also as an environmental hazard and as a special hazardous substance.

Inventory Status

United States & Puerto Rico – Toxic Substances Control Act (TSCA) Inventory: Yes
Canada – Domestic Substances List (DSL): Yes
Canada – Non-Domestic Substances List (NDSL): No
Europe – European Inventory of Existing Commercial Chemical Substances (EINECS): No
Europe – European List of Notified Chemical Substances (ELINCS): No
Australia – Australian Inventory of Chemical Substances (AICS): Yes
Philippines – Philippine Inventory of Chemicals and Chemical Substances (PICCS): Yes
Japan – Inventory of Existing and New Chemical Substances (ENCS): Yes
Korea – Existing Chemicals List (ECL): Yes
China – Inventory of Existing Chemical Substances in China (IECSC): Yes
New Zealand – New Zealand Inventory: Yes

16. Other Information

Last Revision: January 6, 2020

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