



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Revision Date: 15 Jun 2026

Revision Number: 1

1. Identification

Product identifier

Product Name Cetareth-25

Other means of identification

Product Code(s) RAW2505

Batch # RAW2505.V70A2826

INCI Name Cetareth-25

CAS No. 68439-49-6

Synonyms Cetareth-25; PEG-25 cetostearyl ether; polyethylene glycol (25) cetostearyl ether; cetearyl alcohol ethoxylate (25 EO)

Recommended use of the chemical and restrictions on use

Recommended use Nonionic emulsifier for cosmetic and personal care applications: creams, lotions, ointments, cleansers, and other emulsion-based formulations. For professional formulator use.

Restrictions on use For professional formulator use. Not for direct consumer application.

Details of the supplier of the safety data sheet

Supplier Essentials by Catalina, Inc.
12781 Temescal Canyon Rd.
Corona, CA 92883 USA
Tel: (951) 674-4444
Email: hello@essentialsbycatalina.com

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300 / International +1 703-527-3887

2. Hazard(s) Identification

Classification of the substance or mixture

Hazard Class	Category
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Acute toxicity — oral	Category 5

Note: Acute toxicity Category 5 (oral LD50 > 2,000 < 5,000 mg/kg) is included for informational purposes. Under US OSHA HCS 2024, Category 5 is not a mandatory hazard class but is disclosed here consistent with the manufacturer's classification.

Hazards not otherwise classified (HNOC)

None known.

Label elements



Signal word: Warning

Pictogram: Exclamation Mark (GHS07)

Hazard statements

H303 — May be harmful if swallowed.

H315 — Causes skin irritation.

H319 — Causes serious eye irritation.

Precautionary Statements — Prevention

P264 — Wash thoroughly after handling.

P270 — Do not eat, drink, or smoke when using this product.

P280 — Wear protective gloves.

Precautionary Statements — Response

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.

P305 + P351 + P338 — IF IN EYES: Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 — If eye irritation persists: Get medical advice/attention.

P362 + P364 — Take off contaminated clothing and wash before reuse.

Precautionary Statements — Storage

P402 — Store in a dry place.

Precautionary Statements — Disposal

P501 — Dispose of content/container in accordance with local regulations.

Other Information

This product may contain trace residual ethylene oxide (up to 1 ppm) and 1,4-dioxane (up to 10 ppm) as manufacturing byproducts of the ethoxylation process. See Sections 11 and 15 for additional health and regulatory information regarding these substances.

3. Composition / Information on Ingredients

Substance: Ceteareth-25 (polyethoxylated cetostearyl alcohol, 25 EO). Represents a defined class of ethoxylated fatty alcohols under a single CAS number.

Chemical name	CAS No.	Weight %
Ceteareth-25 (polyethylene glycol (25) cetostearyl ether)	68439-49-6	100

Residual manufacturing impurities: up to 1 ppm ethylene oxide (CAS 75-21-8) and up to 10 ppm 1,4-dioxane (CAS 123-91-1). Batch-specific residual levels are reported on the Certificate of Analysis.

4. First-aid Measures

Routes of exposure — symptoms

Ingestion Overexposure may cause gastrointestinal irritation, diarrhea, nausea, and vomiting.

Eyes Overexposure causes excessive watering, redness, and stinging.

Skin Overexposure may cause itching and redness similar to a rash.

First aid response

Ingestion Contact physician or poison control center. If victim is conscious and able to swallow, quickly give milk or water to dilute. Do not give sodium bicarbonate, vinegar, or fruit juices. Never give anything by mouth if victim is unconscious or having convulsions. Induce vomiting only upon advice of a physician.

Eye contact Flush immediately with copious amounts of water. Continue flushing for at least 15 minutes. Seek medical attention.

Skin contact Wash exposed areas with soap and water. If itching and redness persist, seek medical attention.

Inhalation Remove to fresh air. If symptoms persist, seek medical attention.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No specific antidote known.

5. Fire-fighting Measures

Flammable properties

Flash point > 200 °F / > 93 °C

Autoignition temperature	Not applicable
Suitable extinguishing media	Water spray, foam, dry chemical, carbon dioxide (CO ₂).
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus when fighting a fire.

6. Accidental Release Measures

Spill and clean-up	Contain material by diking the area around the spill. If the product is in solid form, shovel directly into recovery drums. If the product is a liquid, pick up using a suitable absorbent material, then shovel into recovery drums.
Personal precautions	Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. Use personal protective equipment as required.

7. Handling and Storage

Min/Max storage temperatures	No special requirements
Handling precautions	No special requirements
Incompatibility / segregation	When stored around hazardous materials, ensure compatibility and follow segregation practices set forth by local, state, and federal regulating offices.
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing.

8. Exposure Controls / Personal Protection

Occupational exposure limits None known.

Engineering controls

Ventilation	Ensure adequate ventilation, especially in confined areas.
Other equipment	Eye wash and safety shower in work area.

Personal protective equipment

Respiratory protection	The use of a NIOSH-approved respirator may be needed if working in a poorly ventilated area.
Hand protection	Chemical-resistant gloves meeting ANSI/ISEA standard.
Eye protection	Chemical protective goggles meeting ANSI/ISEA standard.
Skin and body protection	Suitable protective clothing.
Hygiene measures	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Solid
Appearance / Color	Hard, waxy solid; white to yellowish
Odor	Characteristic (mild, fatty)

Property	Value
Odor threshold	No data available
pH (as-is)	5.0 – 7.0
Melting point	45 °C / 113 °F
Freezing point	No data available
Boiling point (or initial boiling point or boiling range)	No data available
Flash point	> 93 °C / > 200 °F
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper / lower explosive limits	Not applicable

Property	Value
Vapor pressure	No data available
Vapor density	No data available
Specific gravity / Relative density	No data available
Water solubility	Dispersible
Partition coefficient n-octanol/water (log value)	No data available
Autoignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity	No data available

10. Stability and Reactivity

Reactivity	No data available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	None known.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	In case of fire, hazardous decomposition products may include carbon oxides.

11. Toxicological Information

This product has not been directly tested. Information provided has been derived from data on substances or products of similar structure or composition.

Acute toxicity

Oral LD50 (mg/kg body weight)	2,000 < Category 5 < 5,000
Dermal LD50	No applicable information available
Vapors / Gases / Dusts & mists (mg/L or ppm)	No applicable information available

Skin corrosion / irritation

Category 2 — Skin irritant.

Serious eye damage / eye irritation

Category 2A — Eye irritant.

Carcinogenicity and reproductive toxicity — residual impurities

This product may contain trace residual ethylene oxide (up to 1 ppm) and 1,4-dioxane (up to 10 ppm) as manufacturing byproducts of the ethoxylation process.

Ethylene oxide (CAS 75-21-8): Found to be carcinogenic to animals by inhalation and associated with cancer of the lymphatic and hemopoietic systems in humans. Listed as a cancer hazard by OSHA, a human carcinogen by IARC, and a suspected human carcinogen by NTP and the ACGIH TLV committee. Reproductive effects: Ethylene oxide has produced testicular degeneration, decreased fertility, and fetotoxicity in laboratory animals.

1,4-Dioxane (CAS 123-91-1): Reported by IARC to be possibly carcinogenic to humans.

Batch-specific residual levels of ethylene oxide and 1,4-dioxane are reported on the Certificate of Analysis. Both substances are listed on California Proposition 65 — see Section 15.

12. Ecological Information

Ecotoxicological information	Not determined.
Bioaccumulation	Not determined.
Persistence and degradability	Not determined.

Mobility in soil	No data available.
Other adverse effects	No data available.

13. Disposal Considerations

Waste disposal	Consult local, state, and federal regulations before disposing of this material.
Spill	If material is released into the environment, the user should determine whether the spill should be reported to the appropriate local, state, and federal authorities.
Contaminated packaging	Empty remaining contents. Dispose of containers in accordance with local regulations.

14. Transport Information

Mode	Regulation Status
US DOT (49 CFR)	Non-regulated material
IATA-DGR (air)	Non-regulated material
IMO / IMDG (ocean)	Non-regulated material
Marine pollutant	No

This product is not classified as a dangerous good under any recognized international transport regulation. No UN number is assigned, no packing group applies, and no hazmat shipping paperwork is required.

15. Regulatory Information

US Federal Regulations

TSCA registration	Registered (Yes)
TSCA 5(a) SNUR	No
SARA Title III Section 313	This product does not contain any chemicals regulated under SARA Title III Section 313.
SARA 311/312 Hazards	Skin corrosion or irritation; Serious eye damage or eye irritation.
CWA (Clean Water Act)	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act.
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substances under CERCLA (40 CFR 302) or SARA (40 CFR 355).

California Proposition 65

WARNING: This product may contain trace amounts (up to 1 ppm ethylene oxide and up to 10 ppm 1,4-dioxane) of chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Batch-specific residual levels are reported on the Certificate of Analysis.

International Chemical Inventories

Inventory	Status
TSCA (US)	Registered.
DSL (Canada)	On the Canadian Domestic Substances List.
AICS (Australia)	On the inventory.
PICCS (Philippines)	On the inventory.
AREC / ECL (Korea)	On the inventory.
IECSC (China)	On the inventory.
NZIoC (New Zealand)	On the inventory.
TCSI (Taiwan)	On the inventory.
ENCS (Japan)	Status: verify with local distributor.
EINECS/ELINCS (EU)	Status: verify with local distributor.

16. Other Information

NFPA Hazard Rating	HMIS III Hazard Rating
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Health: 1 Flammability: 1 Instability: 0 Special hazards: —	Health: 1 Flammability: 1 Physical Hazard: 0 Personal Protection: B (safety glasses + gloves)
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NFPA/HMIS scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe. HMIS PPE code B = safety glasses + gloves.

Key references and sources used to compile this SDS

Component-level data sourced from the original manufacturer (Ethox Chemicals, LLC — ETHOXCARE 5011 SDS; date of issue 30 January 2019, revision dated 11 November 2019; distributed by Coast Southwest, Inc.). Additional references: US OSHA Hazard Communication Standard (29 CFR 1910.1200); California Office of Environmental Health Hazard Assessment (OEHHA) Proposition 65 Chemicals List; IARC monographs on ethylene oxide and 1,4-dioxane; US EPA Integrated Risk Information System (IRIS); NTP Report on Carcinogens.

Abbreviations and acronyms used in this SDS

ACGIH: American Conference of Governmental Industrial Hygienists · ANSI/ISEA: American National Standards Institute / International Safety Equipment Association · CAS: Chemical Abstracts Service · CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act · CWA: Clean Water Act · DOT: Department of Transportation (United States) · EO: Ethylene oxide · GHS: Globally Harmonized System · HMIS: Hazardous Materials Identification System · IARC: International Agency for Research on Cancer · IATA-DGR: International Air Transport Association Dangerous Goods Regulations · IMDG: International Maritime Dangerous Goods · INCI: International Nomenclature of Cosmetic Ingredients · LD50: Lethal Dose to 50% of test population · NFPA: National Fire Protection Association · NIOSH: National Institute for Occupational Safety and Health · NTP: National Toxicology Program · OSHA: Occupational Safety and Health Administration · PPE: Personal protective equipment · SARA: Superfund Amendments and Reauthorization Act · SDS: Safety Data Sheet · TLV: Threshold Limit Value · TSCA: Toxic Substances Control Act (US).

Revision history

Revision Date	15 Jun 2026
Revision Number	1
Revision Notes	Initial issuance of EBC-branded SDS for this product, derived from manufacturer data (Ethox Chemicals ETHOXCARE 5011, revision 11 Nov 2019).

Disclaimer

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release, and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

End of Safety Data Sheet

12781 Temescal Canyon Rd. | Corona | CA 92883 | 951-674-4444 | hello@essentialsbycatalina.com