Caprylyl Glycol

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

Revision Date: 02-Nov-2026
Supersedes: 09-Apr-2026

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Caprylyl Glycol
Synonyms: No data available
INCI Name: Caprylyl Glycol
CAS Number: 1117-86-8
Formula: No data available
Product Form: Liquid
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: H319 Causes serious eye irritation.
GHS Labeling: **WARNING!**
GHS Hazard Pictograms:



GHS Hazard Statements: H319: Causes serious eye irritation.
GHS Precautionary Statements: P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
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+P313 - If eye irritation persists: Get medical advice or attention.

Potential Health Hazards: Eyes: Causes serious 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	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Caprylyl Glycol	1117-86-8	100%	Not Available

4 FIRST AID MEASURES

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Inhalation: Remove person to fresh air and keep comfortable for breathing.
Skin: Wash skin with plenty of water.
Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Call a poison center/doctor/ physician if you feel unwell.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	No fire or direct explosion hazard. Use appropriate media (water spray, dry powder, foam, carbon dioxide) for surrounding environment and adjacent fire. Do not use a heavy water stream.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	>212°F (>100°C)
Specific hazards arising from the chemical:	Hazardous decomposition products include Carbon oxides (CO, CO2). See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate spillage area. 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:	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible, without risk. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Keep in a cool, room temperature area in a well-ventilated place away from heat. Keep container tightly closed. Always store product in container of same material as original container. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Caprylyl Glycol	Not 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 safety glasses
Inhalation:	In case of insufficient ventilation, wear suitable respiratory equipment.
Body:	Wear suitable protective gloves and full protective clothing.
Other:	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:	Liquid to paste	**Vapor Pressure at 25°C:**	0.002 hPa
Odor:	Characteristic	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	Clear to slightly hazy	**Flammability:**	Not applicable
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	No data available	**Flash Point:**	>212°F (>100°C)
Boiling Point:	267 °C (1013 hPa)	**Specific Gravity:**	No data available
Melting/Freezing Point:	78-89°F (26-32°C)	**Water Solubility:**	Dispersible in water
Relative Density @ 20°C:	0.93	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	No data available
Viscosity:	116.4 mPa·s	**Explosive Properties:**	None reported

Oxidizing Properties:	None reported	**Metal Corrosion:**	No data available

10 STABILITY AND REACTIVITY

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability: Stable under normal conditions.
Hazardous Polymerization: No data available.
Conditions to Avoid: Store in a dry, well-ventilated place away from sources of heat, ignition and direct sunlight.
Incompatible Materials: Strong acids and strong alkalis.
Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possible Hazardous Reactions: No dangerous reactions known under normal conditions of use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified under dermal, oral, inhalation.
Skin: Not classified.
Eyes: Causes serious eye irritation.
Inhalation: (Rat, Inhalation) LC50 > 7.02 mg/l (OECD 403: Acute Inhalation Toxicity, 4 hours (aerosol), 14 days).
Ingestion: (Rat, Oral) LD50 > 2000 mg/kg body weight (OECD 401 - experimental value, Oral, 14 days).
Carcinogenicity: Not classified.
Teratogenicity: No data available.
Germ Cell Mutagenicity: Not classified.
Embryotoxicity: No data available.
Specific Target Organ Toxicity: Not classified under single or repeated exposure.
Reproductive Toxicity: Not classified.
Respiratory/Skin Sensitization: Not classified.
Skin Corrosion/Irritation: Not classified.

12 ECOLOGICAL INFORMATION

Ecotoxicity: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Aquatic Vertebrate: (Danio Rerio [1]) LC50: 2.2 -22 mg/l, Exposure time: 96 hours, static.
Aquatic Invertebrate: (Daphnia magna [1]) EC50: 176 mg/l, Acute Immobilisation Test, 48 hours, Semi-static system, Fresh water, Experimental value, GLP (OECD 202).
Algae: (Pseudokirchneriella subcapitata [1]) EC50: 35 mg/l, Alga, Growth Inhibition Test, Static system, Fresh water, Experimental value, GLP (OECD 201).
Persistence and Degradability: Biodegradable.
Bioaccumulative Potential: Low potential for bioaccumulation (Log Kow < 4).
Mobility in Soil: 10.62 (Source: EPISUITE)
PBT and vPvB Assessment: No data available.
Other Adverse Effects: Not classified as a ozone or fluorinated greenhouse gas hazard.

13 DISPOSAL CONSIDERATIONS

Waste Residues: 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: Do not re-use empty 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 regulated.
TDG (Transportation of Dangerous Goods, Canada):	Not regulated.
IMDG (International Maritime Dangerous Goods):	Not regulated.
IATA (International Air Transport Association):	Not regulated.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.
Canada (DSL):	Listed.
China (IECSC/IECIC):	Listed.
Australia (AICS):	Listed.
Japan (ENCS/ISHL):	Listed.
Philippines (PICCS):	Listed.
Korea (KECI/KECL):	Listed.
New Zealand (NZIoC):	Listed.

16 OTHER INFORMATION

Revision Date:	02-Nov-2026
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.