Caprylyl Glycol Blend

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

Revision Date: 02-Nov-2026
Supersedes: 30-Aug-2024

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Caprylyl Glycol Blend
Synonyms: No data available
INCI Name: Caprylyl Glycol (and) Glyceryl Laurate (and) Glyceryl Undecylenate
CAS Number: 1117-86-8, 142-18-7, 62285-15-8
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: Serious eye damage/eye irritation - Category 2
Skin sensitization - Category 1

GHS Signal Word: **WARNING!**

GHS Hazard Pictograms:



GHS Hazard Statements:
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

GHS Precautionary Statements:
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Potential Health Hazards:
Eyes: Causes serious eye irritation
Inhalation: Not expected to be an irritant under normal conditions of use.
Skin: May cause an allergic skin reaction.
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 %	Hazard Classification
Caprylyl Glycol	1117-86-8	65 - 75%	Eye Irrit. 2, H319
Glyceryl Laurate	142-18-7	10 - 20%	Not classified
Glyceryl Undecylenate	62285-15-8	10 - 20%	Skin Sens. 1A, H317

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. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
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 direct fire or explosion hazard. Use appropriate media (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:	284°F (140°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. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. 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:	Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/ gas/mist/vapors/spray. Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents. Stop leak, if possible, without risk. Dispose of absorbed material at an authorized site in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store at room temperature. Keep container tightly closed in a cool, well-ventilated place, away from heat. Store always product in container of same material as original container. Keep away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Caprylyl Glycol Blend	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	**Vapor Pressure:**	No data available
Odor:	Characteristic	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	Colourless to light yellow	**Flammability:**	Not applicable
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	No data available	**Flash Point:**	284°F (140°C)
Boiling Point:	No data available	**Specific Gravity:**	No data available
Melting/Freezing Point:	No data available	**Solubility:**	Dispersible in water
Relative Density:	No data available	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water at 25°C:	2.1 (OECD 117 - HPLC method)	**Decomposition Temperature:**	No data available
Kinematic Viscosity:	38.293 mm^2/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. None under recommended storage and handling conditions (see section 7).
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 oral, dermal, or inhalation toxicity.
Skin:	May cause an allergic skin reaction.
Eyes:	Causes serious eye irritation.
Inhalation:	No symptoms/effects under normal conditions of use. (Rat) Component: Caprylyl Glycol: LC50 > 7.02 mg/l (OECD 403, 4 hours, Experimental value, Inhalation (aerosol), 14 days).
Ingestion:	No symptoms/effects under normal conditions of use. (Rat) Component: Caprylyl Glycol: LD50 > 2000 mg/kg body weight (OECD 401, experimental value, 14 days). (Rat) Component: Glyceryl Laurate: LD50: 53400 µl/k.
Carcinogenicity:	Not classified.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Not classified.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	Not classified for single or repeated exposure. (Rat, Oral) Component: Capylyl Glycol: NOAEL: 150 – 300 mg/kg body weight (OECD 408, Repeated Dose 90-Day Oral Toxicity Study in Rodents).
Reproductive Toxicity:	Not classified.
Respiratory/Skin Sensitization:	May cause an allergic skin reaction.
Skin Corrosion/Irritation:	Not classified.
Aspiration Hazard:	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]) Component: Caprylyl Glycol: LC50 2.2 – 22 mg/l (Exposure time: 96 h, [static]).
Aquatic Invertebrate:	(Daphnia magna [1]) Component: Caprylyl Glycol: EC50: 176 mg/l (OECD 202: Acute Immobilisation Test, 48 hours, Semistatic system, Fresh water, Experimental value, GLP).
Algae:	(Pseudokirchneriella subcapitata[1]) Component: Caprylyl Glycol: EC50: 35 mg/l, 72 hours (OECD 201: Alga, Growth Inhibition Test, Static system, Fresh water, Experimental value, GLP). EC50, 96 hours, 48.338 mg/l (Source: EPISUITE).
Persistence and Degradability:	Rapidly degradable.
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:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
Product 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 (TSCA) inventory, except for: Glyceryl Undecylenate at 10 – 20% (CAS No: 62285-15-8).

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.