

Caprylyl Glycol EHG

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
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1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Caprylyl Glycol EHG	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Caprylyl Glycol, Ethylhexylglycerin	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	1117-86-8, 70445-33-9	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Acute toxicity (Inhalation): Category 4
Serious eye damage: Category 1

GHS Signal Word: DANGER

GHS Hazard Pictograms: 

GHS Hazard Statements: H318: Causes serious eye damage.
H319: Causes serious eye damage.
H332: Harmful if inhaled.

GHS Precautionary Statements: If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Prevention: Avoid breathing mist or vapors.
Use only outdoors or in a well-ventilated area.
Wear eye protection/ face protection.
Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/ doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
Eyes: Causes serious eye damage.
Inhalation: Harmful if inhaled.
Skin: May be an irritant.
Ingestion: May cause nausea, vomiting, and/or diarrhea.

Potential Health Hazards:

NFPA Ratings (704):

Health	3	Serious
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

HMIS® IV Ratings:

Health	3	Serious
Flammability	1	Slight
Reactivity	0	Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Caprylyl Glycol	1117-86-8	>50%	Not Available
Ethylhexylglycerin	70445-33-9	25 - 50%	Not Available

4 FIRST AID MEASURES

Eyes: Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Rinse immediately with

<p>Inhalation: Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.</p> <p>Skin: Wash off with soap and plenty of water.</p> <p>Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Keep respiratory tract clear. Do not give milk or alcoholic beverages. If symptoms persist, call a physician. Take victim immediately to hospital.</p> <p>Acute/Delayed Symptoms: Causes serious eye damage. Harmful if inhaled. Extremely corrosive and destructive to tissue, tearing. Nasal irritation and blurred vision. Treat symptomatically.</p>	<p>plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.</p>
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5 FIRE-FIGHTING MEASURES

<p>Suitable (and unsuitable) extinguishing media:</p> <p>Special protective equipment & precautions for firefighters:</p> <p>Flash Points:</p> <p>Specific hazards arising from the chemical:</p>	<p>May be combustible at high temperatures. Use appropriate media for surrounding environment and adjacent fire. Do not use a high-volume water jet as an extinguisher.</p> <p>Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Follow standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</p> <p>>212°F (>100°C). Method: ISO 2719.</p> <p>Hazardous decomposition products include carbon dioxide (CO₂) and carbon monoxide. See also Stability and reactivity section.</p>
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6 ACCIDENTAL RELEASE MEASURES

<p>Personal precautions, protective equipment & emergency procedures:</p> <p>Environmental precautions:</p> <p>Methods and material for containment and cleaning up:</p>	<p>Ensure adequate ventilation. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.</p> <p>Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.</p> <p>Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of absorbed material in accordance with the regulations.</p>
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7 HANDLING & STORAGE

<p>Precautions for safe handling:</p> <p>Conditions for safe storage, incl. any incompatibilities:</p>	<p>Follow normal measures for preventive fire protection. Avoid formation of aerosol. Do not breathe vapors/dust. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.</p> <p>Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations/working materials must comply with the technological safety standards. No decomposition if stored and applied as directed. Store away from incompatible materials (see section 10 for incompatibilities).</p>
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8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Caprylyl Glycol EHG	Not available	Not available	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:

<p>Eyes:</p> <p>Inhalation:</p>	<p>Wear tightly fitting safety goggles with an eye wash bottle filled with pure water nearby.</p> <p>In the case of vapor formation use a respirator with an approved filter within the capabilities of the respirator and</p>
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	filter combination. Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.
Body:	Wear suitable gloves made of butyl-rubber or equant (>0.45mm thick) with a 480 min breakthrough time. The exact break through time can be obtained from the protective glove producer and it must be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Always wear protective work uniform or laboratory coat.
Other:	Use good personal hygiene practices. Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected, or apparent adverse effects. 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:	Not determined
Odor:	Characteristic	Vapor Density:	Not determined
Odor Threshold:	Not determined	Solidification/Setting Point:	ca. 59°F (15°C)
Color:	Colorless, light yellow	Flammability:	Not determined
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Not applicable
pH:	ca. 6-8 (20°C) Concentration: 1 g/l	Flash Point:	>212°F (>100°C) Method: ISO 2719
Boiling Point/Range:	> 266°F (>130°C)	Specific Gravity:	No data available
Melting/Freezing Point:	No data available	Water Solubility at 20°C:	ca. 1 g/l
Density at 20°C:	0.929 - 0.942 g/cm ³	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	Not applicable	Decomposition Temperature:	No data available
Dynamic Viscosity:	Not determined	Explosive Properties:	Not explosive
Kinematic Viscosity:	Not determined	Flow Time:	29 sat 20°C (Method: DIN 53211)
Oxidizing Properties:	Not oxidizing	Surface Tension:	28 mN/m

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Protect from frost, heat, and sunlight.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide (CO ₂) Carbon monoxide.
Possible Hazardous Reactions:	Vapors may form explosive mixture with air.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Not classified based on available information.
Component Ethylhexylglycerin:	(Rat) LD50: > 2,000 mg/kg; Assessment: No adverse effect has been observed in acute dermal toxicity tests.
Eyes:	Causes serious eye damage. May cause irreversible eye damage. Both product components are irritating to eyes.
Component Caprylyl Glycol:	(Rabbit) Result: No skin irritation.
Ethylhexylglycerin:	(Rabbit) Result: Corrosive; Method: OECD Test Guideline 405. (Rabbit) Result: Slight, transient irritation.
Inhalation:	Harmful if inhaled.
Component Caprylyl Glycol:	(Rat) LC50: > 7.015 mg/l; Exposure time: 4 hours; Test atmosphere: dust/mist; Method: OECD Test Guideline 403; Remarks: Information given is based on data obtained from similar substances.
Ethylhexylglycerin:	(Rat) LC50: 3.07 mg/l; Exposure time: 4 hours; Test atmosphere: dust/mist.
Ingestion:	

Component	
Caprylyl Glycol:	(Rat) LD50: > 2,000 mg/kg; Method: OECD Test Guideline 401; GLP: yes; Assessment: No adverse effect has been observed in acute oral toxicity tests.
Ethylhexylglycerin:	(Rat) LD50: > 2,000 mg/kg; Remarks: Information given is based on data obtained from similar substances.
Respiratory/Skin Sensitization:	Not classified based on available information.
Component	
Caprylyl Glycol:	(Mouse) Test Type: Local lymph node assay; Assessment: Did not cause sensitization on laboratory animals; Method: OECD Test Guideline 429; Result: Did not cause sensitization on laboratory animals; GLP: yes.
Ethylhexylglycerin:	(Guinea pig) Assessment: Does not cause skin sensitization; Method: OECD Test Guideline 406.
Likely Routes of Exposure:	Inhalation, eye contact, skin contact, ingestion.
Carcinogenicity:	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Germ Cell Mutagenicity:	Not classified based on available information.
Genotoxicity in Vitro:	
Component	
Caprylyl Glycol:	Test Type: Ames test; Metabolic activation: with and without metabolic activation; Method: OECD Test Guideline 476; Result: negative; GLP: yes.
Ethylhexylglycerin:	(Salmonella typhimurium) Test Type: Ames test; Metabolic activation: with and without metabolic activation; Result: negative. (Mouse, male/female) Test Type: Micronucleus test; Method: OECD Test Guideline 474; Result: negative.
STOT Single Exposure:	Not classified based on available information.
STOT Repeated Exposure:	Not classified based on available information.
Component	
Ethylhexylglycerin:	(Rat, male/female) No-observed-effect level: 100 mg/kg; Application Route: Oral; Exposure time: 28 days; Method: OECD Test Guideline 407.
Reproductive Toxicity:	Not classified based on available information.
Component	
Ethylhexylglycerin:	(Rat) Strain: Sprague-Dawley; Application Route: Oral; General Toxicity Maternal: No observed adverse effect level: 800 mg/kg bw/day; Method: OECD Test Guideline 414. (Rat) Strain: Sprague-Dawley; Application Route: Oral; General Toxicity Maternal: No observed adverse effect level: 50 mg/kg bw/day; Method: OECD Test Guideline 414.
Aspiration Toxicity:	Not classified based on available information.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	Short-term Acute Aquatic Hazard: Category 2; Toxic to aquatic life. Long-term Chronic Aquatic Hazard: Category 3; Harmful to aquatic life with long lasting effects.
Aquatic Vertebrate:	
Component	
Caprylyl Glycol:	(Zebra Fish) LC50: > 2.2 - < 22.2 mg/l; Exposure time: 96 hours; Test Type: static test.
Ethylhexylglycerin:	Zebra Fish) LC50: 60.2 mg/l; Exposure time: 96 hours; Test Type: static test; Method: OECD Test Guideline 203. Chronic toxicity; NOEC: 1.5 mg/l; Exposure time: 35 days; Method: OECD Test Guideline 210.
Aquatic Invertebrate:	
Component	
Caprylyl Glycol:	(Daphnia magna) EC50: 176 mg/l; Exposure time: 48 hours; Test Type: semi-static test; Method: OECD Test Guideline 202.
Ethylhexylglycerin:	EC50 (Daphnia magna (Water flea)): 78.3 mg/l; Exposure time: 48 hours; Test Type: static test Method: OECD Test Guideline 202. (Daphnia magna) Chronic Toxicity; NOEC: 20 mg/l; Exposure time: 21 days; Method: OECD Test Guideline 211.
Terrestrial:	

Component

Caprylyl Glycol:	(Pseudokirchneriella subcapitata) EC50: 35 mg/l; End point: Growth inhibition; Exposure time: 72 hours; Method: OECD Test Guideline 201; GLP: yes.
Ethylhexylglycerin:	(Desmodesmus subspicatus) IC50: 48.3 mg/l; Exposure time: 72 hours; Test Type: static test; Method: OECD Test Guideline 201. ECO: 560 mg/l; Exposure time: 3 hours; Method: OECD Test Guideline 209.

Persistence and Degradability:
Component

Caprylyl Glycol:	Result: Readily biodegradable; Biodegradation: 75%; Exposure time: 28 days; Method: OECD Test Guideline 301D.
Ethylhexylglycerin:	Result: Inherently biodegradable. Method: OECD Test Guideline 302B.

Bioaccumulative Potential:
Component

Caprylyl Glycol:	Partition coefficient: n octanol/water: log Pow: 1.0.
Ethylhexylglycerin:	No bioaccumulation is to be expected (log Pow <=4). Partition coefficient: n octanol/water: log Pow: 2.53 (20° C).

Mobility in Soil:

No data available.

PBT and vPvB Assessment:

No data available.

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways, or ditches with chemical. Send to a licensed waste management company. 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:	Empty remaining contents. Dispose of as unused product. 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 dangerous goods.
TDG (Transportation of Dangerous Goods, Canada):	Not dangerous goods.
IMDG (International Maritime Dangerous Goods):	Not dangerous goods.
IATA (International Air Transport Association):	Not dangerous goods.
ICAO (International Civil Aviation Organization):	Not dangerous goods.

15 REGULATORY INFORMATION

TSCA List:	No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.
CERCLA RQ:	This material does not contain any components with a CERCLA Reportable Quantity.
SARA 311/312 Hazards:	Acute toxicity (any route of exposure). Serious eye damage or eye irritation.
SARA 302:	This material does not contain any components with a section 302 EHS TPQ.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
PA Right to Know:	1,2-OCTANEDIOL (CAS: 1117-86-8); 1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY) (CAS: 70445-33-9)
NJ Right to Know:	1,2-OCTANEDIOL (CAS: 1117-86-8); 1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY) (CAS: 70445-33-9)
California Prop. 65:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
Canada (DSL):	All components of this product are on the Canadian DSL.
Taiwan (TSCI):	On the inventory, or in compliance with the inventory.
China (IECSC):	On the inventory, or in compliance with the inventory.
Australia (AIC):	On the inventory, or in compliance with the inventory.

Japan (ENCS):	On the inventory, or in compliance with the inventory.
Japan (ISHL):	On the inventory, or in compliance with the inventory.
Philippines (PICCS):	Not in compliance with the inventory.
Korea (KECI):	On the inventory, or in compliance with the inventory.
New Zealand (NZIoC):	Not in compliance with the inventory.

16 OTHER INFORMATION

Additional Abbreviations:	LD50: Lethal Dose to 50% of a test population (median lethal dose). LC50: LC50 - Lethal Concentration to 50 % of a test population. EC50: Concentration associated with x% response. NOEC: No observed effect concentration. GLP: Good Laboratory Practice.
Revision Date:	10-Oct-2024
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
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