

Propylene Glycol

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

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Supersedes: 05-Nov-2022

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Propylene Glycol	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Propylene Glycol	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	57-55-6	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

Classification:	Not classified.		
Labeling:	Not a hazardous substance or mixture.		
Hazard Pictograms:	None.		
Hazard Statements:	None.		
Precautionary Statements:	None.		
Potential Health Hazards:	Eyes: May be an irritant. Inhalation: May be an irritant. Skin: May 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

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Propylene Glycol	57-55-6	Not available	Not Available
Ethylene Glycol	107-21-1	Not available	Not Available
Diethylene Glycol	111-46-6	Not available	Not Available

4 FIRST AID MEASURES

Eyes:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
Inhalation:	If unconscious, place in recovery position and seek medical advice.
Skin:	Wash off with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.
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.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (carbon dioxide (CO ₂), foam, dry chemical) for surrounding environment for adjacent fire. Do not use a high-volume water jet as an extinguisher.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	217°F (103°C)
Specific hazards arising from the	No hazardous combustion products are known. See also Stability and reactivity section.

chemical:

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	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:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Take normal measures for preventing fires. Smoking, eating and drinking should be prohibited in the application area. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Electrical installations / working materials must comply with the technological safety standards. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Propylene glycol (57-55-6)	50 ppm 155 mg/m ³ 10 mg/m ³	TWA (Vapor and aerosols) TWA (aerosol)	CA ON OEL CA ON OEL

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:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Body:	Wear suitable 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 at 77°F:	< 0.225 mmHg
Odor:	Odorless, mild	Relative Vapor Density 59-90 °F:	< 2.62 (Air = 1.0)
Odor Threshold:	No data available	Evaporation Rate:	< 0.02 (Butyl Acetate = 1)
Color:	Clear, colorless	Flammability:	No data available
Molecular Weight:	No data available	Upper Explosive Limit:	17.4 %(V)
pH at (68-77 °F):	7	Lower Explosive Limit:	2.4 %(V)
Boiling Point:	(363 - 370 °F) (184 - 188 °C)	Flash Point:	217 °F (103 °C)
Melting/Freezing Point:	-76 - -4 °F (-60 - -20 °C)	Surface Tension 21.5 °C:	71.6 mN/m
Relative Density at 68 - 77 °F:	1.03 - 1.04 (Water = 1)	Water Solubility:	Soluble
Partition Coefficient: n-octanol/water:	log Pow: -1.07 - -0.92	Auto-Ignition Temperature:	699-752°F (371-400 °C)
Density at 68 - 77 °F:	1.03 - 1.04 g/cm ³	Decomposition Temperature:	No data available
Oxidizing Properties:	No data available	Explosive Properties:	No data available
Dynamic Viscosity:	43 - 56 mPa.s at 68-77°F	Kinematic Viscosity:	42.1 mm ² /s at 25 °C (77 °F) < 20 mm ² /s at 40 °C (104 °F)

10 STABILITY AND REACTIVITY

Reactivity:	Stable under recommended storage conditions.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Keep away from heat, flame, sparks, other ignition sources, and exposure to light.
Incompatible Materials:	Amines, isocyanates, mercaptans, reducing agents, strong oxidizing agents, acids bases.
Hazardous Decomposition Products:	Aldehydes, alcohols, ethers, organic acids, carbon oxides, toxic fumes.
Possible Hazardous Reactions:	No hazards to be specially mentioned.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	No data available.
Eyes:	No data available.
Inhalation:	No data available.
Ingestion:	No data available.
Carcinogenicity:	No data available.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Sensitization:	No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

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:	Empty containers should be taken to an approved waste handling site for recycling or disposal. 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 as a dangerous good
TDG (Transportation of Dangerous Goods, Canada):	Not regulated as a dangerous good.
IMDG (International Maritime Dangerous Goods):	Not regulated as a dangerous good.
IATA (International Air Transport Association):	Not regulated as a dangerous good.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	On TSCA Inventory.
Canada (DSL):	All components of this product are on the Canadian DSL.

China (IECSC):	On the inventory, or in compliance with the inventory.
Australia (AICS):	On the inventory, or in compliance with the inventory.
Japan (ENCS):	On the inventory, or in compliance with the inventory.
Korea (KECI):	On the inventory, or in compliance with the inventory.
New Zealand (NZIoC):	On the inventory, or in compliance with the inventory.

16 OTHER INFORMATION

Revision Date:	23-Oct-2024
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 suitability & completeness of such information for his own particular use.