

Propylene Glycol

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

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Supersedes: 11-13-2012

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Propylene Glycol	Distributor: MakingCosmetics.com Inc.
Synonyms: 1,2-propanediol, 1,2-dihydroxypropane, methyl glycol, and trimethyl glycol	Address: 10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name: Propylene Glycol	
CAS Number: 57-55-6	Phone / Fax: 425-292-9502 / 425-292-9601
Formula: C ₃ H ₈ O ₂	Web: www.makingcosmetics.com
Product Form: Liquid	
Product Use: Cosmetic use	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified		
GHS Labeling:	Not classified		
GHS Hazard Pictograms:	None		
GHS Hazard Statements:	None		
GHS Precautionary Statements:	None		
Potential Health Hazards:	Eyes: May be irritant. Inhalation: No data available. Skin: May be irritant. Ingestion: Hazardous.		
NFPA Ratings (704):	Health	2	Moderate
	Flammability	1	Mild
	Reactivity	0	Minimal
	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	N/A	76.10 g/mol

4 FIRST AID MEASURES

Eyes:	Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.
Inhalation:	Remove victim to fresh air. Consult a physician if needed.
Skin:	Wash skin with soap and water. Consult a physician if irritation develops.
Ingestion:	Give large quantities of water. Do not induce vomiting. If symptoms appear, consult a physician.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	Alcohol-type foam, carbon dioxide, dry chemical.
Special protective equipment & precautions for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Flash Points:	CLOSED CUP: 99 °C (210.2 °F). OPEN CUP: 109 °C (228 °F) (Cleveland) Auto-ignition temperature: 371 °C (699.8 °F)
Specific hazards arising from the chemical:	Fire may cause toxic gases to be released. Do not inhale fumes.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	See section 8 for recommendations on the use of personal protective equipment. Keep away from sources of ignition.
Environmental precautions:	Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up: Pick up small spills with absorbent materials such as paper towels. "Oil dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

7 HANDLING & STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practices.
Conditions for safe storage, incl. any incompatibilities: This product must be stored, handled and used according to criteria of good industrial practice and to regulations in force.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Propylene 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: Safety glasses, goggles, or face shield recommended for eye protection.
Inhalation: Appropriate NIOSH approved respiratory protection may be worn.
Body: Gloves and protective clothing may be worn to prevent prolonged skin contact.
Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Liquid	Vapor Pressure:	0 kPa (20°C) 0.08 mmHg
Odor:	Odorless	Vapor Density:	Not available
Taste:	Faintly sweet	Evaporation Rate:	Not available
Color:	Colorless	Flammability:	Not available
Molecular Weight:	76.10 g/mol	Upper/lower Explosive Limit:	17.4/2.4
pH (1% sol. in water)	Not available	Solubility:	Insoluble in water
Melting Point:	Liquid at room temperature	Boiling Point:	188°C (370°F)
Flash Point:	109°C/228°F min (PMCC)	Specific Gravity:	Not available

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.
Chemical Stability: Stable under normal conditions.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Excessive heat and ignition sources.
Incompatible Materials: Avoid strong oxidizing agents and high temperatures
Hazardous Decomposition Products: None known

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute oral toxicity (LD50): 18500 mg/kg [Rabbit]. Acute dermal toxicity (LD50): 20800 mg/kg [Rabbit]
Skin: Not available
Toxic Effects on Humans: Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator), of inhalation.
Chronic Effects on Humans: May cause damage to the following organs: central nervous system (CNS)
Ingestion: Hazardous
Carcinogenicity: Not available
Teratogenicity: Not available
Germ Cell Mutagenicity: Not available

Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Ecotoxicity in water (LC50): >5000 mg/l 24 hours [Goldfish]. >10000 mg/l 48 hours [guppy]. >10000 mg/l 48 hours [water flea]
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not 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 container.
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):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	Listed as Propylene Glycol.
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date:	09-09-2015
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.