

Glycerin, USP

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

Revision Date: 25-Jun-2024
Supersedes: 29-Sep-2021

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Glycerin, USP	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Glycerin	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	56-81-5	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:	Not classified.												
GHS Labeling:	Not a hazardous substance or mixture.												
GHS Hazard Pictograms:	None.												
GHS Hazard Statements:	None.												
GHS Precautionary Statements:	None.												
Potential Health Hazards:	Eyes: May be a slight irritant. Inhalation: No known significant effects or critical hazards. Skin: Prolonged skin contact may cause irritation. Ingestion: May cause nausea, vomiting, or diarrhea.												
NFPA Ratings (704):	<table border="1"> <tr> <td>Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Reactivity</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	N/A	N/A	Flammability	N/A	N/A	Reactivity	N/A	N/A	Specific Hazard	N/A	
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>
Glycerin	56-81-5	>99.7%	Not Available
Water	7732-18-5	< 0.3%	Not Available

4 FIRST AID MEASURES

Eyes:	Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, seek medical attention.
Inhalation:	Supply fresh air. Seek medical attention if necessary.
Skin:	Generally, the product does not irritate the skin. Clean with water and soap. If skin irritation continues, seek medical attention.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse out mouth and then drink plenty of water. Seek immediate medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (CO ₂ , powder, water spray) for adjacent fire. Fight larger fires with water spray or alcohol resistant foam. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water spray.
Flash Points:	405°F (193°C)

Specific hazards arising from the chemical: No unusual fire hazards known. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Keep unprotected persons away. 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.

Environmental precautions: Dilute with plenty of water. Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Prevent formation of aerosols. Ensure good ventilation/exhaustion at the workplace. Protect from humidity and water. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities: Avoid storage near extreme heat, ignition sources or open flame. Protect from humidity and water. Store in cool, dry conditions in well-sealed receptacles. Store at ambient temperature. 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>
Glycerin (56-81-5)	15 mg/m ³	PEL	OSHA
	10 mg/m ³	TLV	ACGIH

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: Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed.

Body: Avoid close or long-term contact with the skin. Wear suitable rubber gloves and lightweight protective clothing. Immediately remove any soiled and contaminated 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:	Colorless liquid	Vapor Pressure:	<0.1 hPa
Odor:	Odorless	Vapor Density:	No data available
Odor Threshold:	Odorless	Evaporation Rate:	No data available
Color:	No data available	Lower Flammable Limits:	0.9 Vol%
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	405 °F (193 °C)
Boiling Range:	580 °F (290 °C)	Specific Gravity:	No data available
Melting/Freezing Point:	90.4 °F (18.2 °C)	Water Solubility:	No data available
Relative Density:	No data available	Auto-Ignition Temperature:	777.6 °F (400 °C)
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	No decomposition if used and stored according to specifications.
Hazardous Polymerization:	Polymerization can occur in the presence of strong oxidizing agents.
Conditions to Avoid:	Store away from oxidizing agents and strong acids.
Incompatible Materials:	Store away from oxidizing agents and strong acids.
Hazardous Decomposition Products:	Carbon Dioxide and Carbon Monoxide.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	No data available.
Eyes:	Slight irritant effect on eyes.
Inhalation:	No known significant effects or critical hazards.
Component	
Glycerin:	(Rat) LC50: 1 hour / > 570 mg/m ³ .
Ingestion:	Gastric or intestinal disorders.
Component	
Glycerin:	(Mouse) Oral LD50: 4090mg/kg. (Rabbit) Oral LD50: 27 mg/kg.
Likely Route of Exposure:	Eye contact and ingestion.
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:	Biodegradable.
Bioaccumulative Potential:	Does not accumulate in organisms.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements. It can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Contact waste processors for recycling information. 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):	No data available.
IMDG (International Maritime Dangerous Goods):	No data available.
IATA (International Air Transport Association):	No data available.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
SARA Title III Section 302/304:	No chemicals in this material are subject to the reporting requirements of extremely hazardous substances.
SARA Title III Section 311/312	Acute: X; Chronic: N/A; Fire: N/A; Pressure: N/A; Reactive: N/A.
Hazard Categorization:	
SARA Title III Section 313	No chemicals in this material are subject to the reporting requirements.
Supplier Information:	
CERCLA Section 102(a)	No chemicals in this material are subject to the reporting requirements.
Hazardous Substance:	
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
Korea (KECI):	No data available.
New Zealand (NZIoC):	No data available.
California Proposition 65:	This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

16 OTHER INFORMATION

Revision Date:	25-Jun-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.