

**Glycerin**

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Date: 10/02/2024

Version: 2

Cancels and replaces version: 1

## SECTION 1. IDENTIFICATION

<b>Product Name/Identifier</b>	Glycerin
<b>Product Code</b>	FSSD00071
<b>Recommended Use</b>	Ingredients/Raw materials used in the manufacturing of Cosmetic Products'
<b>Restrictions on Use</b>	None
<b>Supplier Site</b>	Formulator Sample Shop
<b>Address</b>	135 Joshua Court Lincolnton, NC 28092, USA
<b>Telephone No. (24hrs)</b>	1-704-276-7540
<b>Emergency Telephone #</b>	1-704-276-7540 (Mon-Fri: 8:00AM – 5:00PM EST)

## SECTION 2. HAZARD(S) IDENTIFICATION

<b>Proposed Classification:</b>	Low toxicity and not considered hazardous to human beings
<b>Human Health Hazards:</b>	
<b>Skin Contact:</b>	Absorb water from skin/body if contacted for too long
<b>Eye Contact:</b>	Can cause irritation
<b>Ingestion:</b>	Can cause diarrhea, headache, nausea
<b>Physical/Chemical Hazards:</b>	Vapour mixes readily with air. Able to polymerise about 149°C. Decomposes when heated above 290°C. Odorless and taste sweet. Reacts violently with strong oxidants. No corrosive
<b>Environmental Hazards:</b>	Combustible Keep away from open flame, no smoking. Avoid contact with oxidizing agents. Use dry powder, foam, carbon dioxide for extinguishing
<b>Pictograph:</b>	No hazard symbol expected
<b>Hazard statements/Signal Word:</b>	Not applicable

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### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Common Chemical Name:** Glycerin

**Generic name:**

**Chemical Family:** Humectant

**Description:** Substance

<u>Substance</u>	<u>CAS Numbers</u>	<u>EC Numbers</u>	<u>Percentage</u>
Glycerin	56-81-5	200-289-5	100.00%

**Gross Formula:** C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>

### SECTION 4. FIRST-AID MEASURES

**Inhalation:** Use self-contained breathing equipment if in confined place. Move to fresh air from exposure area. If suffocation is serious, get medical attention.

**Skin contact:** Use gloves. Remove contaminated clothing, wash skin with soap and water.

**Eye contact:** Use face shield. Immediately rinse with plenty of water. Consult with a physician if necessary.

**Ingestion:** Rinse mouth, drink plenty of water. Consult with a physician.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

Suitable: Dry powder, foam or carbon dioxide for extinguishing

Not suitable: None known

**Special Hazards:** Keep away from open flame, no smoking  
Avoid contact with oxidizing agents

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use face shield.

**Environmental precautions:** Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system

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**Methods for cleaning up:**

Recovery:	Pick up free liquid in sealable containers. Soak up with sand or other inert absorbent and remove to safe place.
Cleaning/Decontamination:	Wash non-recoverable remainder with water.
Disposal:	Dispose of in accordance with local, state and federal regulations

**SECTION 7. HANDLING AND STORAGE****Handling**

Technical measures: Use gloves and wear goggles when handling

**Storage**

Technical measures: Keep container closed. In bulk, store at ambient temperature.

Recommended Storage Conditions: Store in a cool, dry place. It should not be exposed to excessive heat or cold. For pumping, heat up to above 60°C. Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure. Exposure to ultraviolet light, especially sunlight must be minimized to prevent quality loss.

Incompatible products: Avoid direct fire and contact with strong oxidizing agents.

Packaging materials: Store in clean, dry preferably stainless steel vessels

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Occupational exposure Limits: Not limits have been established

Engineering measures: Not Applicable

Personal Protective Equipment: Wear face shield

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear to slightly hazy liquid

**Color (APHA):** Colorless

**Odor:** Characteristic

**Specific Gravity:** 1.2612-1.2620

**Microbial Content:** < 100 opg; No pathogens

**Residue on Ignition:** 0.01% Maximum

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<b>Moisture:</b>	0.30% Maximum
<b>Glycerol Content (Wt.):</b>	99.70% Minimum
<b>Fatty Acid &amp; Ester:</b>	1.00 mL/50G Gly Maximum
<b>Water:</b>	5.00% Maximum
<b>Anhydrous Assay:</b>	99.0 – 101.0%
<b>Identification (A~C):</b>	To match standard
<b>Sulfate:</b>	< 20 ppm
<b>Chloride:</b>	< 10 ppm
<b>Chlorinated CMPDS:</b>	< 30 ppm
<b>Vapor Pressure (20°C):</b>	0.0023
<b>Vapor density:</b>	Not applicable
<b>Boiling Point:</b>	290°C
<b>Freezing Point:</b>	18°C
<b>Melting point:</b>	Not determined
<b>Flash point:</b>	160°C
<b>Oxidizing properties:</b>	Non oxidizing material according to EC criteria.
<b>Electrical Conductivity:</b>	6.4 x 10 <sup>6</sup>
<b>Relative Molecular Mass:</b>	92.1
<b>Solubility:</b>	
In water:	Infinite
Log P:	-2.6

## SECTION 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under ordinary conditions of use and storage up to a year and a half. Then re-test to full product specifications to extend shelf life
<b>Conditions to avoid:</b>	Avoid contact with strong oxidizing agents.
<b>Incompatibles:</b>	Strong oxidizing agents.
<b>Decomposition products:</b>	Carbon, Carbon Dioxide & Carbon Monoxide

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Ingestion:** Not Determined  
**Dermal:** Not Determined  
**Ocular:** Not Determined  
**Inhalation:** Not Determined

**Acute toxicity data:** Not Determined  
**Sensitization:** Non-Primary Sensitizers  
**Repeated dose toxicity:** No known effects  
**Subacute to chronic toxicity:** Not Determined

**Additional Toxicological Information:** This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

**Specific effects:**  
Carcinogenicity: No known effects  
Mutagenicity: No known effects  
Reproductive toxicity: No known effects  
Neuro-toxicity: No known effects

**For more information:** Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

This product has not been tested for the following:

- Primary cutaneous and corrosive irritation
- Acute oral toxicity
- Mutagenicity/genotoxicity

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**SECTION 12. ECOLOGICAL INFORMATION**

**Biodegradability:**  
Persistence: Readily Biodegradable

**Aquatic Toxicity:** None known

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**SECTION 13. DISPOSAL CONSIDERATIONS****Residues from product**

**Prohibition:** Do not allow the product to be released into the Environment.  
**Destruction/Disposal:** Dispose of in accordance with relevant local regulations

**Note:** Take all necessary precautions when disposing of this product according to local regulations.

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**SECTION 14. TRANSPORT INFORMATION**

<b>Transport Hazard Class:</b>	Not classified as dangerous for transport
Land (rail/road):	Material is not restrictive for land transport and is not regulated by ADR/RID
Sea:	Material is not restrictive for sea transport and is not regulated by IMO/IMDG
Air:	Material is not restrictive for land transport and is not regulated by ICA/IATA

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**SECTION 15. REGULATORY INFORMATION****Other regulations:**

EINECS inventory status:	Glycerin:	200-289-5
TSCA inventory status:	Exempt	
AICS inventory status:	56-81-5	
Canadian (CEPA DSL) inventory status:	Listed as 1,2,3-Propanetriol (DSL)	
Japan (MITI list):	Glycerin	
Korea:	Glycerin	
China inventory status:	Glycerin	
Philippines inventory status:	Listed: 1,2,3-Propanetriol	

\*Listed on 2010 INCI Standard Chinese Name Directory

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions

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**SECTION 16. OTHER INFORMATION**

Prohibited uses:	For specific uses, food industry, ask the manufacturer for more information.
Last Revision Date:	10/02/2024
Preparation Date:	10/12/2018
MSDS summary of changes	Revision to Section 11

The information given is based on our knowledge of this product, at the time of publication in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than which it was intended. This is not in any way excuse the user from knowing and applying all the regulations governing their activity. It is sole responsibility of the user to take all precautions required in handling the product. The purpose of mandatory regulation mentioned is to help the user to fulfill his obligations regarding the use of products. This information is not exhaustive, this is not exonerate the user from ensuring that legal obligations other than those mentioned, relating to the use and storage.