

MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE
800-424-9300 (CHEMTREC)

Chemicals Direct
www.VegetableGlycerin.com
885 Woodstock Rd
Roswell, GA 3075
(800) 658-7716

GLYCERINE 99.7 % USP

Revision Date: 6/01/07

SECTION 1. PRODUCT IDENTIFICATION

TRADE NAME: GLYCERINE 99.7 % USP
CHEMICAL NAME: Glycerine 99.7 % USP
CAS NO. 56-81-5
CHEMICAL FORMULA: $C_3H_8O_3$

SECTION 2. COMPOSITION

APPROXIMATE WEIGHT %

Glycerine 99.7 %

SECTION 3. HAZARDS IDENTIFICATION

PHYSICAL APPEARANCE

Form: Liquid
Color: Colorless
Odor: Faint
Water Solubility: Soluble
pH: 7 (at 10% in H_2O)

POTENTIAL HEALTH EFFECTS

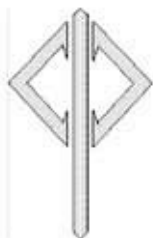
Immediate concerns: WARNING: May cause eye irritation. Wear eye protection when handling this product. Wash thoroughly after handling

Eyes: May cause minor eye irritation

Skin: No harmful effects have been reported upon contact with skin.

Ingestion: May cause nausea, vomiting, abdominal pain, flushing of the face, hypertension, and loss of consciousness; or abnormal liver and kidney functions.

Inhalation: No harmful effects have been reported upon inhalation



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SECTION 3. HAZARDS IDENTIFICATION, continued

Primary routes of entry: Eyes, Ingestion
Target organs: Eyes; Kidneys (high dosage)
Carcinogenicity: Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen.

SECTION 4. FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes or more, lifting upper and lower lids intermittently. See a physician or ophthalmologist and show this data sheet.

Skin: Immediately and thoroughly wash off with soap and water.

Ingestion: Drink 1-2 glasses of water and seek medical attention.

Inhalation: Not expected to present an inhalation exposure at normal conditions. Remove from area to fresh air and consult a physician.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT: > 320°F Method – Cleveland Open Cup

EXTINGUISHING MEDIA: Dry Chemical, Water Fog, Alcohol Foam

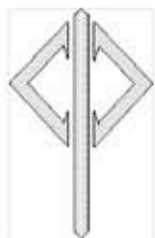
PRODUCTS IN CASE OF FIRE: Carbon Monoxide, Carbon Dioxide.

FURTHER INFORMATION: Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot, burning liquid.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

OSHA FLAMMABLE CLASS: None



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SECTION 6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP:

Small Spills – May be flushed into normal drainage or taken up with absorbent material.

Large Spills – Stop spill at source, dike area to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up with absorbent material and shoveled into containers.

RELEASE NOTES:

US Regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is (800) 424-8802

In case of a road or rail accident or spill notify CHEMTREC at (800) 424-9300

SECTION 7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Advice on protection
against fire and explosion.

None Known

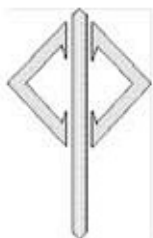
STORAGE:

Requirements for storage
areas and containers

Keep in closed or covered containers when not in use.
Store in cool, dry place with adequate ventilation.
Do not store near heat or open flame.

Further Information

Exercise caution when handling contents of the container.
Wash with soap and water before eating, drinking, smoking
Or using toilet facilities. Whenever possible, use mechanical
Means to move large and/or heavy objects to help prevent
Back injuries.



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

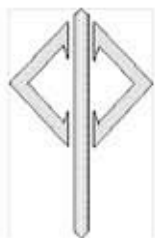
Components	CAS No.	Basis	Type	Value	Note
1,2,3-Propanetriol	56-81-5	OSHA PEL	TWA	5 mg/m ³	
		ACGIH TLV	TWA	10 mg/m ³	

PERSONAL PROTECTION EQUIPMENT

Hygiene Measures	No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Avoid Skin and Eye Contact. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.
Respiratory protection	If vapors or mists are generated, wear a NIOSHA/MSHA approved organic vapor/mist respirator.
Hand protection	Gloves not required but recommended (PVC).
Eye protection	Splash proof goggles recommended.
Engineering controls	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Faint
Water Solubility:	Soluble
pH:	7 (at 10% in H ₂ O)
Vapor pressure	0.003 mbar at 122.00°F
Density	1.26 g/cm ³
Volatile organic compound	> 1%



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SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	Avoid contact with strong oxidizing agents.
Hazardous polymerization	No
Stability	Yes

SECTION 11. TOXICOLOGICAL INFORMATION

Skin irritation	The toxic effects of this material is not known.
Eye irritation	The toxic effects of this material is not known.

SECTION 12. ECOLOGICAL INFORMATION

Ecological notes	No data available.
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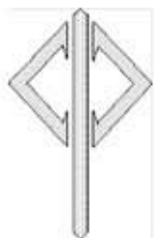
SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Products disposal and Disposal requirements	Incinerate in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and Permitted facilities is recommended
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SECTION 14. TRANSPORT INFORMATION

SEA TRANSPORT	IMDG: Not regulated
AIR TRANSPORT	ICAO/IATA: Not regulated
US DOT	CFR Road & Rail: Not regulated
CANADA Transport of Dangerous goods	TDG Road & Rail: Not regulated



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SECTION 15. REGULATORY INFORMATION

UNITED STATES

SARA Section 311/312

Fire: No
Pressure generating: No
Reactivity: No
Acute: No
Chronic: No

TSCA (Toxic Substance
Control Act)

TSCA Inventory
Notification: Yes
All intentional ingredients are listed in the TSCA Inventory or
comply with TSCA Polymer Exemption criteria per 40 CFR 723

SECTION 13
Notification: Yes

California Proposition 65
Statement

Notification: No
This product does not contain any substance(s) which are
defined by the state of California to cause cancer, birth defects,
or other reproductive effects.

Canada

Canadian Environmental Protection Act
All intentional ingredients are listed on the DSL (Domestic
Substance List) or have been notified pursuant to the NSN
regulations.

SECTION 16. OTHER INFORMATION

HMIS Codes

Fire: 1
Health: 1
Physical Hazard: 0
Protection: X

Manufacturer disclaimer: While the information and recommendations contained herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability for reliance thereon.