

MATERIAL SAFETY DATA SHEET

Graymills Corporation
3705 N. Lincoln Avenue
Chicago, IL 60613
773-477-4100
www.graymills.com

EMERGENCY TELEPHONE
800-424-9300 (CHEMTREC)

PERISTALTIC TUBE LUBRICANT

REVISION DATE: 6/1/07

SECTION 1. PRODUCT IDENTIFICATION

TRADE NAME: Peristaltic Tube Lubricant
CHEMICAL NAME: Glycerin 99.7% USP
CAS NUMBER: 56-81-5
CHEMICAL FORMULA: $C_3 H_8 O_3$

SECTION 2. COMPOSITION

APPROXIMATE WEIGHT: Glycerin 99%

SECTION 3. HAZARDS IDENTIFICATION

PHYSICAL APPEARANCE

FORM: Liquid
COLOR: Colorless
ODOR: Faint
WATER SOLUBILITY: Soluble
pH: 7 (at 10% in H₂O)

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 function.
Inhalation: No harmful effects have been reported upon inhalation.
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.

MATERIAL SAFETY DATA SHEET

Graymills Corporation
3705 N. Lincoln Avenue
Chicago, IL 60613
773-477-4100
www.graymills.com

EMERGENCY TELEPHONE
800-424-9300 (CHEMTREC)

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 (MHSA/NIOSH approved or equivalent) and full protective gear.
OSHA FALMMABLE CLASS: None.

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
Advise 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.

MATERIAL SAFETY DATA SHEET

Graymills Corporation
 3705 N. Lincoln Avenue
 Chicago, IL 60613
 773-477-4100
 www.graymills.com

EMERGENCY TELEPHONE
 800-424-9300 (CHEMTREC)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Components	CAS Number	Basis	Type	Value	Note
1,2,3-Propantriol	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 H₂O)
 Vapor Pressure: 0.003 mbar at 122.00°F
 Density: 1.26 g/cm³
 Volatile Organic Compound: >1%

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.

MATERIAL SAFETY DATA SHEET

Graymills Corporation
3705 N. Lincoln Avenue
Chicago, IL 60613
773-477-4100
www.graymills.com

EMERGENCY TELEPHONE
800-424-9300 (CHEMTREC)

SECTION 13. DISPOSAL CONSIDERATIONS

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

Product 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.

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.

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 Production 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 recommendation contained herein are believed to be accurate, we make no
warranty with respect hereto and claim all liability for reliance thereon.