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Glycerin, Vegetable

INCI: Glycerin

1. Chemical Product and Company Identification

Product Name: Glycerin, Vegetable
CASRN: 56-81-5
Emergency Numbers: Chemtrec 800-424-9300

2. Hazards Identification

NFPA Classification: Health = 0 Flammability = 1 Reactivity = 1
Label Precautionary Statements

3. Health Hazard Assessment

Primary route of exposure under normal use: Skin

Acute effects from overexposure:

Oral: Diarrhea & vomiting, cramps, increased pulse and respiration rate, increased body temperature, falling blood pressure.

First aid procedures:

Skin: Wash off skin with copious amounts of water. If irritation develops, seek medical attention. **Eyes:** Flush with water for 15 minutes, if irritation develops, seek medical attention.

Inhalation: Remove to fresh air.

Ingestion: Administer small amounts of water to dilute the glycerol.

4. Fire Fighting Measures

Recommended Fire Extinguishing: Water, carbon dioxide, dry chemical, foam.

Media: Special Fire Fighting Procedures: Firefighters should wear NIOSH approved self-contained breathing apparatus.

Unusual Fire or Explosion Hazards: Cool as rapidly as possible to reduce toxic acrolein level (Acrolein formed at boiling point is explosive with air)

5. Accidental Release Measures

Steps to be taken in case material is released or spilled: Pick up with absorbent material and transfer to a suitable container for disposal.

Dispose of in accordance with are Federal, State and Local Regulations.

Disposal method: Small quantities may be flushed away with water.

6. Handling and Storage

Precautions to be taken in handling and storing: To retain color and purity store in tightly closed vessels with provision made to protect against absorption of moisture from air.

7. Exposure Controls/Personal Protection

Ventilation: Local exhaust required.

Respiratory protection (specify type): Only if used at temperatures of >140°C.

Protective clothing: Gloves for thermal protection.

Eye protection: Splash shield.

Other protective equipment: Thermal protection when necessary.

8. Physical and Chemical Properties

Appearance:	Clear, syrupy liquid
Odor:	Practically odorless
Solubility in Water:	Soluble in water; soluble (45%) in alcohol
Weight per Gallon	10.51 lbs
Boiling Point:	554 Deg C
Vapor Density:	>1
Vapor Pressure (mm Hg):	2.4 mm Hg @ 140°C; 115 M bar @100°C
Evaporation Rate:	<1
Flash point:	390°C
Fire point:	400°F

9. Stability and Reactivity

Stability:	Normally stable
Hazardous Decomposition Products:	Hazardous decomposition products: Acrolein if heated to 500°F.
Hazardous Polymerization:	Will not occur.
Materials to Avoid:	Nitric acid, potassium per manganate, etc..
Conditions to Avoid:	Oxidants

10. Disposal Considerations

Waste Disposal Method: Sanitary landfill in accordance with applicable laws and regulations.

11. Transport Information

Road (U.S. DOT):	Not regulated
Air (IATA):	Not regulated
Sea (IMDG):	Not regulated

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