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 Date Prepared:
 01/26/98

 Date Printed:
 03/01/99

 MSDS No: 999.0169165-004.004

### GLYCERINE, NATURAL 99.5% USP

## **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

#### Material Identity

Product Name: GLYCERINE, NATURAL 99.5% USP Product Code: 3405120 General or Generic ID: POLYOL

#### Company

Humco Holding Group, Inc. 7400 Alumax Drive Texarkana, TX 75501 Emergency Telephone Number: 903-831-7808

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (s)	CAS Number	% (by weight)
GĽYCERINÉ	56-81-5	100.0

## 3. HAZARDS IDENTIFICATION

### **Potential Health Effects**

#### Eye

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

#### Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

### Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

#### Inhalation

Breathing of vapor mist is possible.

### Symptoms or Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

### **Target Organs Effects**

No data

### **Development Information**

No data

### Continued on next page MATERIAL SAFTEY DATA SHEET

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Cancer Information

No data

### **Other Health Effects**

No data

### Primary Route(s) of Entry

Inhalation, Skin contact.

## 4. FIRST AID MEASURES

### Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

### Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

### Inhalation

If symptoms develop, more individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

### **Note To Physicians**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

# 5. FIRE FIGHTING MEASURES

### Flash Point 390.0 F (198.8C) PMCC Explosive Limit

Not applicable

### Autoignition Temperature

No data

### Hazardous Products of Combustion

May form: acrolein, carbon dioxide and carbon monoxide.

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### Fire and Explosion Hazards

No special fire hazards are known to be associated with this product.

#### **Extinguishing Media**

Alcohol foam, water fog, carbon dioxide, dry chemical.

#### **Fire Fighting Instructions**

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment of this MSDS.

### **NFPA** Rating

Health - 1, Flammability - 1, Reactivity - 0

## 6. ACCIDENTAL RELEASE MEASURES

### Small Spill

Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

#### Large Spill

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

## 7. HANDLING AND STORAGE

### Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Eye Protection**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative. Continued on next page

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#### **Skin Protection**

Wear resistant gloves such as: natural rubber, to prevent repeated or prolonged skin contact, wear impervious clothing and boots.

#### **Respiratory Protection**

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

#### **Engineering Controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

### **Exposure Guidelines**

## Component

GLYCERINE (56-81-5) OSHA VPEL 5.000 mg/m3 – TWA respirable fraction OSHA VPEL 10.000 mg/m3 – TWA total dust ACGIH TLV 10.000 mg/m3 – TWA (total dust/particulate)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (for product) 554.0 F (290.0 C) @ 760 mmHg

Vapor Pressure (for product) < 1.000 mmHg @ 68.00 F Specific Vapor Density 3.100 @ AIR=1 **Specific Gravity** 1.263 @ 68.00 F Liquid Density 10.510 lbs/gal @ 68.00 F 1.263 kg/l @ 20.00 C **Percent Volatiles** No data **Evaporation Rate** SLOWER THAN ETHYL ETHER Appearance No data State Liquid

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Physical Form HOMOGENEOUS SOLUTION Color CLEAR, APHA COLOR 25 MAX Odor No data pH Not applicable

## **10. STABILITY AND REACTIVITY**

#### **Hazardous Polymerization**

Product will not undergo hazardous polyermization.

#### **Hazardous Decomposition**

May form: acrolein, carbon dioxide and carbon monoxide.

#### Chemical Stability

Stable.

### Incompatibility

Avoid contact with: strong oxidizing agents.

### **11. TOXICOLOGY INFORMATION**

No data

### **12. ECOLOGICAL INFORMATION**

No data

## **13. DISPOSAL CONSIDERATION**

#### Waste Management Information

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

## **14. TRANSPORT INFORMATION**

# DOT Information – 49 CFR 172.101

**DOT Description** 

NON\_REGULATED By D.O.T.

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#### GLYCERINE, NATURAL 99.5% USP

### Container /Mode:

55 Gal DRUM/TRUCK PACKAGE

#### NOS Component: None

RQ (Reportable Quantity) - 49 CFR 172.101 Not applicable

## **15. REGULATORY INFORMATION**

#### **US Federal Regulations**

#### **TSCA** (Toxic Substance Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

### CERCLA RQ – 40 CFR 302.4(a)

None listed

# SARA 302 Components – 40 CFR 355 Appendix A

None

#### Section 311/312 Hazard Class – 40 CFR 370.2

Immediate() Delayed() Fire() Reactive() Sudden Release of Pressure()

# SARA 313 Components – 40 CFR 372.65

None

### **International Regulations**

### Inventory Status

DSL (Canada) The intentional ingredients of this product are listed. EINEC (Europe) The intentional ingredients of this product are listed. TCCL (Korea) The intentional ingredients of this product are listed.

### State and local Regulations

**California Proposition 65** 

None

#### Pennsylvania RTK Label Information

1,2,3-PROPANETRIOL

56-81-5

### **16. OTHER INFORMATION**

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.