

# MATERIAL SAFETY DATA SHEET

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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other **substances** not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

## 1. PRODUCT AND COMPANY IDENTIFICATION:

### Glycerin, USP Grade 96.0% minimum

DISTRIBUTED BY  
**PVS NOLWOOD CHEMICALS, INC.**  
10900 Harper Avenue  
Detroit MI 48213  
(313) 925-0300

Avatar Corporation, 7728 W. 99th St., Hickory Hills, IL 60457 (708) 430-4200  
Transportation emergency contact: Chem Tel (800) 2553924.

Chemical Family: Alcohol  
Chemical Name: **1, 2, 3-Propanetriol; 1, 2, 3-Trihydroxypropane**  
Synonyms: Glycerol, Glycerine  
Molecular Weight: 92.10  
Molecular Formula: **CH<sub>2</sub>CHOHCH<sub>2</sub>OH**

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Component</u>	<u>CAS #</u>	<u>Range % by Wt.</u>
Glycerin, USP	56-81-5	96.0% minimum

(See Section 8, "Exposure Controls/Personal Protection", for exposure guidelines.)

## 3. HAZARDS IDENTIFICATION:

**CONTROLLED DOCUMENT  
IF STAMPED IN RED**

**NFPA Code: Health-I, Flammability-I, Reactivity-0**  
**HMIS Code: Health-I, Flammability-1, Reactivity-0**

0269

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under **OSHA** criteria. Low hazard for usual industrial or commercial handling by trained personnel:

### Potential Health Effects:

**EYE CONTACT:** May cause minor transient eye irritation.

**SKIN CONTACT:** A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

when solid steams are directed into the hot burning liquid. On the other hand, water spray carefully applied has frequently been used with success in extinguishing such fires by causing the frothing to occur only on the surface and this frothing action blankets and extinguishes the fire.

**FIREFIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus in the positive-pressure mode with a full headpiece when there is a possibility of exposure to smoke, fumes, or hazardous combustion products.

**HAZARDOUS COMBUSTION PRODUCTS:** Incomplete burning can produce carbon monoxide and/or carbon dioxide and other toxic gases.

## 6. ACCIDENTAL RELEASE MEASURES:

Absorb spill with inert solids such as sand or soil; sweep up and dispose of in accordance with federal, state, and local regulations. For large spills, dike around spill and pump into suitable containers.

## 7. HANDLING AND STORAGE:

**HANDLING:** No special requirements.

**STORAGE:** Store in a cool, well-ventilated area in sealed containers. Store away from strong oxidizing agents or combustible material.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

**EYE:** Chemical splash goggles and/or face shield **must** be worn when possibility exists for eye contact.

**SKIN:** Wear gloves and protective clothing which are impervious to the product for the duration of anticipated exposure if there is potential for prolonged or repeated skin contact.

**INHALATION:** Avoid breathing mist. If ventilation is inadequate, use **NIOSH/MSHA** certified respirator that will protect against dust/mist.

**ENGINEERING CONTROLS:** Control airborne concentrations below the exposure guidelines.

### EXPOSURE GUIDELINES:

Limits: PEL TWA: **10 mg/m<sup>3</sup>** (glycerin mist-total dust)  
TWA: **5 mg/m<sup>3</sup>** (glycerin mist-respirable fraction)  
TLV TWA: **10 mg/m<sup>3</sup>** (glycerin mist)

Observations in animals include kidney, liver, and gastrointestinal effects with very large oral doses. Did not cause cancer in long-term animal studies. Birth defects are unlikely. Exposures **having** no adverse **effects** on the mother should have no effect on the fetus. Reproductive effects seen in females are believed to be due to altered nutritional states resulting from extremely high doses in their diets. Similar effects have been seen in animals fed synthetic diets.

**12. ECOLOGICAL INFORMATION:**

No definitive information available on ecological impact if product is released to the environment.

**13. DISPOSAL INFORMATION:**

Disposal must be in accordance with applicable federal, state, or local regulations.

**14. TRANSPORTATION INFORMATION:**

**U.S. Department of Transportation:** Not regulated.

**15. REGULATORY INFORMATION:**

**CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4):**  
Not reportable.

**SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355):** Not regulated.

**SARA Title III Sections 31 1/312 Hazardous Categorization (40 Part 370):**  
None noted.

**SARA Title III Section 313 (40 CFR Part 372):** Not listed.

**U.S. Inventory (TSCA):** Listed on inventory. All components comply with TSCA.

**FOOD CONTACT STATUS:**

**FDA:** This product is approved for use by the FDA under the following sections of 21 CFR:

-Part 182.1320 as Generally Recognized as Safe (GRAS) when used in accordance with the specifications of this subpart.