

# Material Safety Data Sheet

## Section 1 Product and Company Identification

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Emergency Phone Numbers  
CFB 574-848-5288 Normal Business Hrs.  
USA Chemtrec 800-424-9300 24 Hours  
International Chemtrec 703-527-3887

Product Name: **Glycerin 99.7% USP**

Chemical Family: Glycol  
Prepared: 1/20/09

## Section 2 Composition / Hazardous Ingredients Information

Ingredient	WT %	TLV / PEL*	CAS #
Glycerin	>99	N.E.	56-81-5

## Section 3 Physical and Chemical Properties

<b>Color:</b> Colorless	<b>Vapor Pressure:</b> N/A °F	<b>Solubility in Water:</b> Soluble
<b>Appearance:</b> Clear Liquid	<b>% Volatile by Volume:</b> N/A	<b>Evaporation Rate</b>
<b>Odor:</b> Characteristic	<b>Vapor Density (air = 1):</b> N/A	<b>(Water = 1):</b> <1
<b>Boiling Point:</b> >350° F	<b>Reactivity in Water:</b> Non-reactive	<b>Specific Gravity:</b> 1.265

## Section 4 Fire Fighting Measures

### Flammable Properties:

Flash point: 320°F (ASTM D-56) Flammable limits in air: N/A Auto ignition temperature: NA

**Extinguishing media:** CO<sub>2</sub>, dry chemical, foam

### Special fire fighting measure:

Procedures for an oil fire should be followed. Use self contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool.

## Section 5 Hazards Identification

### Primary Routes of Entry:

**Skin:** Tests on similar materials indicate that no significant adverse health effects are expected to occur with short term exposure.

**Eyes:** Tests on similar materials suggests that minimal irritation may occur on contact.

**Ingestion:** Tests on similar materials indicate no significant adverse effects expected. Non-toxic.

**Inhalation:** Tests on similar materials indicate no acute effects are expected.

## Section 6 First Aid Measures

**Eyes:** Flush eyes immediately with water for at least 15minutes or until irritation subsides. If irritation persists, consult a physician.

**Skin:** Wash skin thoroughly with soap and water. Launder all contaminated clothing before reuse. If skin irritation or rash develops obtain medical assistance.

**Ingestion:** Product is non-toxic. Do not induce vomiting.

**Inhalation:** Not likely to occur except as a mist. Move to fresh air and provide oxygen if necessary. Obtain emergency medical attention.

## Section 7 Personal Protection/ Exposure Controls

**Engineering Controls:** Keep mists of this material below applicable standards.

**Respiratory Protection:** Not required if adequate ventilation. If occupational exposure limits are exceeded wear NIOSH approved apparatus.

**Skin Protection:** Wear protective impervious gloves and clothing on prolonged exposure. Acceptable materials for gloves are polyvinyl chloride; neoprene; polyvinyl alcohol; nitrile; viton.

**Eye Protection:** Glasses or goggles. Have suitable eye wash water available.

**Other/General Protection:** None required.

## Section 8 Handling and Storage

**Handling and Storage Precautions:** Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors. NFPA Class IIIB storage.

Do not allow product to freeze. If product freezes allow product to thaw completely prior to use.

**Work/Hygienic Practices:** Wash thoroughly after handling. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs.

## Section 9 Accidental Release Measures

- Eliminate ignition sources.
- Absorb spillage with inert material.
- Contain spill and keep from entering waterways or sewers.
- Advise EPA/state agency if required.
- Use personal protective equipment.
- Shovel, sweep or vacuum spill.

## Section 10 Toxicological Information

**Acute Studies:** Tests on similar materials show a low order of acute oral and dermal toxicity.

**Eye Effects:** Minimal irritation on contact.

**Skin Effects:** Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated contact.

**Acute Oral Effects:** Tests on similar materials indicate low order of acute oral toxicity .

**Acute Inhalation Effects:** Low acute toxicity expected on inhalation.

This product is not listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA.

## Section 11 Stability and Reactivity

**Stability:** Stable    **Conditions to avoid:** Sources of ignition.    **Incompatibility:** Strong oxidizing or reducing agents.

**Decomposition Products:** Oxides of Carbon and Hydrogen.    **Hazardous Polymerization:** Will not occur.

## Section 12 Ecological Information

No Data available

## Section 13 Disposal Considerations

Follow federal, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Do not flush into drain/storm sewer use an authorized disposal service. If permitted incineration may be practical. Recommend recycling.

## Section 14 Transportation Information

**Proper Shipping Name:** Glycerin

**Shipping Class:** 55

**Dot Identification Number:** N/A

**Dot Shipping Label:** Not regulated by DOT.

## Section 15 Regulatory Status

### U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects: None

Chronic Health Effects: None

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

**EPA/TSCA Inventory:** The components of this product are listed on the EPA/TSCA inventory of chemicals.

**EPA Hazard Classification Code:** Not applicable

**CERCLA:** No chemicals in this product are subject to the reporting requirements of CERCLA.

**SARA Title III - Section 313 Supplier Notification:** No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

**WHMIS Classification:** Not controlled.

## Section 16 Other Information

### NFPA Hazard Rating:

<b>Health:</b>	<b>1</b>	<b>Slight</b>
<b>Flammability:</b>	<b>1</b>	<b>Slight</b>
<b>Reactivity:</b>	<b>0</b>	<b>Negligible</b>

**Supersedes MSDS Dated:** Original 1/20/09

\*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

### Disclaimer of Express or Implied Warranties

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