



## Material Safety Data Sheet Glycerin Base TS

### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Glycerin Base TS

**Catalog Numbers:**

LC14860

**Synonyms:****Company Identification:**

LabChem, Inc.  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
1310-73-2	Sodium hydroxide	1.5
56-81-5	Glycerin	41.6

### Section 3 - Hazards Identification

#### Emergency Overview

**Appearance:** *Clear, colorless*

**Caution!** *Corrosive. Causes skin burns. Causes eye burns. Causes digestive tract burns.  
Causes respiratory tract burns.*

**Target Organs:** *None.***Potential Health Effects****Eye:**

Causes severe eye burns.

**Skin:**

Causes skin burns. May cause deep, penetrating ulcers of the skin.

**Ingestion:**

Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, shock, hemolysis hemoglobinuria, hyperglycemia, renal failure, narcosis, paralysis.



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### **Inhalation:**

Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma.

### **Chronic:**

Prolonged or repeated skin contact may cause dermatitis, conjunctivitis.

## Section 4 - First Aid Measures

### **Eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until chemical is gone. Get medical aid at once.

### **Skin:**

Get medical aid at once. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing to reduce further exposure.

### **Ingestion:**

Do NOT induce vomiting. Give conscious victim 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid at once.

### **Inhalation:**

Move victim to fresh air immediately. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Get medical aid.

### **Notes to Physician:**

Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

### **General Information:**

Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use water with caution and in flooding amounts.

### **Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

### **Autoignition Temperature:**

Not applicable.

### **Flash Point:**

Not applicable.

### **NFPA Rating:**

CAS# 7732-18-5: Not published.

CAS# 1310-73-2: Not published.

CAS# 56-81-5: health-1; flammability-1; reactivity-0

### **Explosion Limits:**

Lower: No information    Upper: No information

## Section 6 - Accidental Release Measures

### **General Information:**

Use proper personal protective equipment as indicated in Section 8.



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### Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.

## Section 7 - Handling and Storage

### Handling:

Wash thoroughly after handling. Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

### Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong acids. Keep away from metals. Keep away from flammable liquids. Keep away from organic halogens.

## Section 8 - Exposure Controls, Personal Protection

### Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Sodium hydroxide	None of the components are on this list.	None of the components are on this list.	2 mg/m <sup>3</sup> TWA
Glycerin	10 mg/m <sup>3</sup> TWA	None established PELs	15 mg/m <sup>3</sup> TWA

### OSHA Vacated PELs:

Glycerin: total dust: 10 mg/m<sup>3</sup> TWA; respirable fraction: 5 mg/m<sup>3</sup> TWA

### Personal Protective Equipment

#### Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. Do not wear contact lenses when working with chemicals.

#### Skin:

Wear appropriate gloves to prevent skin exposure.

#### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

#### Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid  
**Color:** Clear, colorless  
**Odor:** Odorless



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<b>pH:</b>	Alkaline
<b>Vapor Pressure:</b>	14 mm Hg
<b>Vapor Density:</b>	No information found.
<b>Evaporation Rate:</b>	No information found.
<b>Viscosity:</b>	>1 (ether=1)
<b>Boiling Point:</b>	212°F ( 100.00°C)
<b>Freezing/Melting Point:</b>	32°F ( 0.00°C)
<b>Decomposition Temperature:</b>	No information found.
<b>Solubility in water:</b>	No information found.
<b>Specific Gravity/Density:</b>	1.0
<b>Molecular Formula:</b>	No information found.
<b>Molecular Weight:</b>	No information found.

### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable.

**Conditions to Avoid:**

Incompatible materials, acids.

**Incompatibilities with Other Materials:**

Reacts with mineral acids to form corresponding salts; reacts with weak acids gases like hydrogen sulfide, sulfur dioxide, and carbon dioxide; ignites when in contact with cinnamaldehyde or zinc; and reacts explosively with a mixture of chloroform and methane. Corrosive to metals such as aluminum, tin, and zinc as well as to alloys such as steel, and may cause formation of flammable hydrogen gas. Oxidizing agent.

**Hazardous Decomposition Products:**

Toxic fumes of sodium oxide, sodium peroxide fumes. Oxides of carbon. Corrosive fumes of acrolein

**Hazardous Polymerization:**

Has not been reported.

### Section 11 - Toxicological Information

**RTECS:**

CAS# 7732-18-5: ZC0110000.

CAS# 1310-73-2: WB4900000.

CAS# 56-81-5: MA8050000.

**LD50/LC50:**

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 1310-73-2:

No information found.

CAS# 56-81-5:

Oral, mouse: LD50 = 4090 mg/kg.

Oral, rabbit: LD50 = 27 gm/kg.

Oral, rat: LD50 = 12600 mg/kg.

**Carcinogenicity:**

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 1310-73-2: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop



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65.

CAS# 56-81-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop

65.

**Epidemiology:**

Glycerin is an eye, skin, mucous membrane irritant.

**Teratogenicity:**

No information reported.

**Reproductive:**

No information reported.

**Mutagenicity:**

CAS# 1310-73-2: Mutation data reported.

**Neurotoxicity:**

No information reported.

### Section 12 - Ecological Information

No information found.

### Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

### Section 14 - Transport Information

#### US DOT

**Shipping Name:** Sodium hydroxide solution

**Hazard Class:** 8

**UN Number:** UN1824

**Packing Group:** PG III

### Section 15 - Regulatory Information

#### US Federal

**TSCA:**

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 1310-73-2 is listed on the TSCA Inventory.

CAS# 56-81-5 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ):**

CAS# 1310-73-2: final RQ = 1000 pounds (454 kg)

**CERCLA/SARA Section 313:**

None of the components are on this list.

**OSHA - Highly Hazardous:**

None of the components are on this list.



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### US State

#### State Right to Know:

Sodium hydroxide can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts. Glycerin can be found on the following State right to know lists: Pennsylvania, Minnesota, Massachusetts.

#### California Regulations:

### European/International Regulations

#### Canadian DSL/NDSL:

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 1310-73-2 is listed on Canada's DSL List.

CAS# 56-81-5 is listed on Canada's DSL List.

#### Canada Ingredient Disclosure List:

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 1310-73-2 is listed on Canada's Ingredient Disclosure List.

CAS# 56-81-5 is listed on Canada's Ingredient Disclosure List.

## Section 16 - Other Information

MSDS Creation Date: April 23, 2008

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