



Material Safety Data Sheet

Glycerine

Section 1 - Chemical Product and Company Identification

MSDS Name:

Glycerine

Catalog Numbers:

LC14850

Synonyms:

Glycerin

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
56-81-5	Glycerin	100

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Clear colorless to slightly yellow

May cause irritation by all exposure routes.

Target Organs: None known.

Potential Health Effects

Eye:

Causes stinging, burning sensation, lacrymation; usually without injury.

Skin:

May cause irritation and defatting.

Ingestion:

Headache, nausea, diarrhea, fever; large doses cause hemolysis, hemoglobinuria, hyperglycemia, glycosuria, renal failure, convulsions, narcosis, and paralysis.



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Inhalation:

May cause irritation and dehydration of mucous membranes.

Chronic:

May cause dermatitis and conjunctivitis.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

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

Ingestion:

Get medical aid at once. Keep victim warm, at rest. If victim is unconscious, give 2-4 glasses of water and induce vomiting.

Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

Extinguishing Media:

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

Autoignition Temperature:

370°C (698.00°F)

Flash Point:

199°C (390.20°F)

NFPA Rating:

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

Explosion Limits:

Lower: Upper:

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. Area may be washed down with water.



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Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

Storage:

Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Glycerin	10 mg/m ³ TWA	no established RELs - see Appendix D	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction);

OSHA Vacated PELs

Glycerin: total dust: 10 mg/m³ TWA; respirable fraction: 5 mg/m³ TWA

Personal Protective Equipment

Eyes:

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Not required for normal use. Firefighting--any self-contained breathing apparatus with full face piece operated in pressure-demand mode.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Color: Clear colorless to slightly yellow

Odor: Odorless

pH: Neutral

Vapor Pressure: < 1 mm Hg @ 20°C

Vapor Density: 3.1

Evaporation Rate: < ether

Viscosity: No information found.

Boiling Point: 290°C (554.00°F)

Freezing/Melting Point: No information found.



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Decomposition Temperature: No information found.

Solubility in water: No information found.

Specific Gravity/Density: 1.26

Molecular Formula: No information found.

Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Oxidizing agents, nitric acid, sulfuric acid, perchloric acid, chlorine, hypochlorites, hydrochloric acid.

Hazardous Decomposition Products

Oxides of carbon, acrolein.

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 56-81-5: MA8050000.

LD50/LC50:

CAS# 56-81-5:

Oral, mouse: LD50 = 4090 mg/kg

Oral, rabbit: LD50 = 27 gm/kg

Oral, rat: LD50 = 12600 mg/kg.

Carcinogenicity:

CAS# 56-81-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Teratogenicity:

Reproductive:

Mutagenicity:

Neurotoxicity:

Section 12 - Ecological Information

No information found.



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Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

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

SARA Reportable Quantities (RQ)

None of the components are on this list.

CERCLA/SARA Section 313

None of the components are on this list.

OSHA - Highly Hazardous

None of the components are on this list.

US State

State Right to Know

Glycerin can be found on the following state Right-to-Know lists: Pennsylvania, Minnesota, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL

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

Canada Ingredient Disclosure List

CAS# 56-81-5 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: November 8, 1998

Revision Date: August 14, 2008



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