



Material Safety Data Sheet
Phenolphthalein, 0.08% in Methanol

Section 1 - Chemical Product and Company Identification

MSDS Name:

Phenolphthalein, 0.08% in Methanol

Catalog Numbers:

LC18230

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
67-56-1	Methyl alcohol	balance
77-09-8	Phenolphthalein	0.08

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless

Flammable liquid and vapor. Use only with adequate ventilation. Keep container closed.

Warning! May cause blindness if swallowed. Flash Point: 52°F.

Target Organs: none known.

Potential Health Effects

Eye:

Eye contact may result in corneal lesions, vision loss or impairment, pain or blindness. 5 ppm and 40mg reported to cause moderate irritation.

Skin:

Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.

Ingestion:

May be fatal or cause blindness if swallowed.



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Inhalation:

May cause liver and kidney damage. Inhalation or ingestion causes narcotic intoxication leading to headache, cramps, severe pain and blindness.

Chronic:

Methanol blurred or painful vision, conjunctivitis; possible mutagenic or reproductive effects.

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. Give oxygen if respiration is depressed. Induce vomiting (touch finger to back of throat) keeping head lower than hips (prevent aspiration into lungs). GET MEDICAL ATTENTION IMMEDIATELY. Give sodium bicarbonate (baking soda), 2 teaspoons in glass of water.

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:

Vapors may form an explosive mixture with air. Vapors heavier than air, may travel considerable distance and flash back from source of ignition. Move container if possible, avoid breathing vapors or dust. Flammable liquid is poisonous - wear respiratory gear. Use flooding quantities of water as fog (streams may spread fire), cool all containers.

Extinguishing Media:

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

Autoignition Temperature:

725°F (385.00°C)

Flash Point:

52°F (11.11°C)

NFPA Rating:

CAS # 67-56-1 health-1; flammability-3; reactivity-0

CAS# 77-09-8: Not published.

Explosion Limits:

Lower: 6.7 Upper: 36

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. Shut off ignition source, avoid vapors. Isolate, ventilate spill area. Keep out of sewers/drains. Label reclaimed spill material as flammable.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Ground and bond containers when transferring material. Avoid breathing dust, vapor, mist, or gas.

Storage:

Flammables-area. Store capped at room temperature. Protect from heat and incompatibles. Do not store in unmarked containers.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Ventilation equipment must be explosion-proof. Provide local exhaust or general dilution ventilation.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Methyl alcohol	200 ppm TWA;250 ppm STEL;skin - potential for cutaneous absorption	200 ppm TWA; 260 mg/m ³ TWA	200 ppm TWA; 260 mg/m ³ TWA;
Phenolphthalein	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

OSHA Vacated PELs

Methyl alcohol: 200 ppm TWA; 260 mg/m³ TWA

Methyl alcohol: 200 ppm TWA; 260 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 protective gloves (butyl, neoprene, nitrile).

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode. Use supplied air (SA) respirators or self-contained breathing apparatus (SCBA) at 2000ppm; SA or SCBA with Facepiece at 10,000ppm; above 10,000ppm use type C SAF in positive pressure/continuous flow mode; pos.press. SCBA for escape.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid



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Color: colorless
Odor: pungent alcohol odor
pH: No information found.
Vapor Pressure: 9 mm Hg @20°C
Vapor Density: > air
Evaporation Rate: 5.9 (ether=1) TTE
Viscosity: No information found.
Boiling Point: 148°F (64.44°C)
Freezing/Melting Point: -144°F (-97.78°C)
Decomposition Temperature: No information found.
Solubility in water: Soluble.
Specific Gravity/Density: 0.8
Molecular Formula: No information found.
Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures up to boiling point.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Magnesium, chromic anhydride, calcium carbide, bromine, cyanuric chloride, chloroform-sodium hydroxide, beryllium.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, formaldehyde.

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 67-56-1: PC1400000.

CAS# 77-09-8: SM8380000.

LD50/LC50:

CAS# 67-56-1:

Inhalation, rat: LC50 =64000 ppm/4H

Oral, mouse: LD50 = 7300 mg/kg

Oral, rabbit: LD50 = 14200 mg/kg

Oral, rat: LD50 = 5628 mg/kg

Skin, rabbit: LD50 = 15800 mg/kg.

CAS# 77-09-8:

No information found.

Carcinogenicity:

CAS# 67-56-1: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 77-09-8



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ACGIH: Not listed.
California: carcinogen; initial date 5/15/98
NIOSH: Not listed.
NTP: Suspect carcinogen
OSHA: Possible Select carcinogen
IARC: Group 2B

Epidemiology:

Methanol-- eye, skin, and mucous membrane irritant; central nervous system depressant.

Teratogenicity:

Reproductive:

Mutagenicity

Neurotoxicity

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: Flammable liquid, n.o.s.
(METHANOL)

Hazard Class: 3

UN Number: UN1993

Packing Group: PG II

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 67-56-1 is listed on the TSCA Inventory.
CAS# 77-09-8 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ)

CAS# 67-56-1: final RQ = 5000 pounds (2270 kg)

CERCLA/SARA Section 313

This material contains Methyl alcohol (CAS# 67-56-1, balance%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

OSHA - Highly Hazardous

None of the components are on this list.



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US State

State Right to Know

Methyl alcohol can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 67-56-1 is listed on Canada's DSL List.

CAS# 77-09-8 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 67-56-1 is listed on Canada's Ingredient Disclosure List.

CAS# 77-09-8 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: February 18, 1998

Revision Date: September 7, 2004

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