



Material Safety Data Sheet Phenolphthalein

Section 1 - Chemical Product and Company Identification

MSDS Name:

Phenolphthalein

Catalog Numbers:

LC18198

Synonyms:

Phenolphthalein indicator

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
77-09-8	Phenolphthalein	100

Section 3 - Hazards Identification

Emergency Overview

Appearance: *Colorless crystals.***Caution!** *Use with adequate ventilation. Keep container closed.***Target Organs:** *Kidney.***Potential Health Effects****Eye:**

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation to the gastrointestinal tract with nausea, vomiting, diarrhea.

Inhalation:

May cause irritation to the respiratory tract.

Chronic:

May cause kidney injury.



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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:

Give conscious victim 2-4 cupfuls of milk or water. Get medical aid at once.

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:

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:

Not applicable.

Flash Point:

Not applicable.

NFPA Rating:

CAS# 77-09-8: Not published.

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.

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. Avoid breathing dust.



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Storage:

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

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
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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.
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OSHA Vacated PELs:

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.

Section 9 - Physical and Chemical Properties

Physical State: Crystals.

Color: Colorless.

Odor: Odorless.

pH: No information found.

Vapor Pressure: Negligible.

Vapor Density: No information found.

Evaporation Rate: Negligible.

Viscosity: No information found.

Boiling Point: No information found.

Freezing/Melting Point: 264°C

Decomposition Temperature: No information found.

Solubility in water: Insoluble.

Specific Gravity/Density: 1.3

Molecular Formula: C₂₀H₁₄O₄

Molecular Weight: 318.1



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Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures up to boiling point.

Conditions to Avoid:

Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization:

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 77-09-8: SM8380000.

LD50/LC50:

CAS# 77-09-8:

No information found.

Carcinogenicity:

CAS# 77-09-8

ACGIH: Not listed.

California: carcinogen; initial date 5/15/98

NIOSH: Not listed.

NTP: Group 2 Suspect carcinogen

OSHA: Possible Select carcinogen

IARC: Group 2B

Epidemiology:**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.



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Section 14 - Transport Information

US DOT

Shipping Name: Not regulated.
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA:

CAS# 77-09-8 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:

California Regulations:

Phenolphthalein known to the state of California to cause cancer.

European/International Regulations

Canadian DSL/NDSL:

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

Canada Ingredient Disclosure List:

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

Section 16 - Other Information

MSDS Creation Date: November 5, 2004

Revision Date: November 8, 2004

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