



Material Safety Data Sheet

Sodium phenate

Section 1 - Chemical Product and Company Identification

MSDS Name:

Sodium phenate

Catalog Numbers:

LC24770

Synonyms:

sodium phenate, APHA (for nitrogen ammonia)

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
108-95-2	Phenol	8.3
1310-73-2	Sodium hydroxide	3.2

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless

Warning! May cause severe eye and skin irritation with possible burns. May cause severe respiratory and digestive tract irritation with possible burns.

Target Organs: none known.

Potential Health Effects

Eye:

May cause alkali burns, conjunctival edema, corneal destruction, opacification, blurred vision, possible permanent damage.

Skin:

May be absorbed through skin causing scarring and erosion, gangrene may occur at contact site, causes severe burns.



Material Safety Data Sheet

Sodium phenate

Ingestion:

May cause corrosion and permanent tissue destruction of the esophagus and digestive tract. Latent carcinoma is thought to result from tissue destruction and scar tissue formation.

Inhalation:

Inhalation may cause severe irritation to mucous membranes, respiratory tract, central nervous system depression.

Chronic:

May cause dermatitis and conjunctivitis. Sodium hydroxide-- bronchial irritation or pneumonia, gastrointestinal disturbance, conjunctivitis, dermatitis can occur. Phenol-- prolonged inhalation may cause general weakness, liver and kidney damage. Prolonged ingestion causes diarrhea, dark urine, burning of the mouth, and gastrointestinal tract.

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. Cover burns with loose sterile non-medicated bandages.

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. Cover burns with a dry sterile bandage (secure, not tight).

Ingestion:

Do NOT induce vomiting. Get medical aid at once. Medical personnel may do esophagoscopy, irrigate injured area with 1% acetic acid to neutralize alkali. Do not use gastric lavage or emesis if tissue corrosion has occurred. If victim is conscious, give 2-4 glasses of water to dilute alkali.

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:

No information found.

Flash Point:

No information found.

NFPA Rating:

CAS# 7732-18-5: Not published.

CAS # 108-95-2 health-4; flammability-2; reactivity-0

CAS# 1310-73-2: Not published.

Explosion Limits:

Lower: Upper:



Material Safety Data Sheet

Sodium phenate

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. Keep out of sewers/drains. Material may be neutralized to pH 7 with citric acid or other suitable neutralizing agent.

Section 7 - Handling and Storage

Handling:

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

Storage:

Store capped at room temperature. Store away from incompatible substances especially where flammable or poisonous gases may accumulate in storage.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

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.
Phenol	5 ppm TWA;skin - potential for cutaneous absorption	5 ppm TWA; 19 mg/m3 TWA	5 ppm TWA; 19 mg/m3 TWA; prevent or reduce skin absorption;
Sodium hydroxide	None of the components are on this list.	None of the components are on this list.	2 mg/m3 TWA;

OSHA Vacated PELs

Phenol: 5 ppm TWA; 19 mg/m3 TWA

Phenol: 5 ppm TWA; 19 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 alkali resistant gloves.

Clothing:

Wear alkali resistant protective clothing.

Respirators:

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



Material Safety Data Sheet
Sodium phenate

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: colorless
Odor: odorless
pH: alkaline
Vapor Pressure: No information found.
Vapor Density: No information found.
Evaporation Rate: No information found.
Viscosity: No information found.
Boiling Point: No information found.
Freezing/Melting Point: No information found.
Decomposition Temperature: No information found.
Solubility in water: Soluble.
Specific Gravity/Density: No information found.
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:

None reported.

Incompatibilities with Other Materials

None reported.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, toxic fumes of sodium oxide.

Hazardous Polymerization

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 108-95-2: SJ3325000.

CAS# 1310-73-2: WB4900000.



Material Safety Data Sheet

Sodium phenate

LD50/LC50:

CAS# 7732-18-5:

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

CAS# 108-95-2:

Inhalation, mouse: LC50 = 177 mg/m³

Inhalation, rat: LC50 = 316 mg/m³

Oral, mouse: LD50 = 270 mg/kg

Oral, rat: LD50 = 317 mg/kg

Skin, rabbit: LD50 = 850 mg/kg

Skin, rat: LD50 = 669 mg/kg.

CAS# 1310-73-2:

No information found.

Carcinogenicity:

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

CAS# 108-95-2

ACGIH: A4 - Not Classifiable as a Human Carcinogen

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Not listed.

IARC: Group 3

CAS# 1310-73-2: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Sodium hydroxide-- an irritant and corrosive to eye, skin, and mucous membranes.

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: Not regulated.

Hazard Class:

UN Number:

Packing Group:



Material Safety Data Sheet

Sodium phenate

Section 15 - Regulatory Information

US Federal

TSCA

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

CAS# 108-95-2 is listed on the TSCA Inventory.

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

SARA Reportable Quantities (RQ)

CAS# 108-95-2: final RQ = 1000 pounds (454 kg)

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

CERCLA/SARA Section 313

This material contains Phenol (CAS# 108-95-2, 8.3%), 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.

US State

State Right to Know

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

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

CAS# 108-95-2 is listed on Canada's DSL List.

CAS# 1310-73-2 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# 108-95-2 is listed on Canada's Ingredient Disclosure List.

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

Section 16 - Other Information

MSDS Creation Date: June 25, 1998

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