

# **Chem Service Inc.**

## **Material Safety Data Sheet**

Date:05/19/2011

Last Revision Date: 01/18/2001

### **SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

Catalog Number: NG-I5730

Description: Sodium phenolate

Other Names: C6H5ONa/Phenol sodium salt

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026  
EMERGENCY PHONE: 1-610-692-3026

### **SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

CAS: 139-02-6

Description: Sodium phenolate

EINECS No:

Hazard Symbols: N/A

Molecular Weight:

Molecular Formula:

### **SECTION 3 - HAZARDS IDENTIFICATION**

Contact lenses should not be worn in the laboratory

Vapors and/or direct eye contact can cause severe eye burns.

Can cause skin burns.

Repeated exposure to vapors and/or dust can cause eye injury.

Vapors can cause severe eye inflammation and swelling of adjoining tissues.

May be harmful if inhaled.

Dust and/or vapors can cause irritation to respiratory tract.

May be harmful if swallowed.

Can cause nervous system injury.

Exposure can cause kidney damage.

Can cause gastro-intestinal disturbances.

Possible cholinesterase inhibitor-May cause seizures, nausea, vomiting, airway obstruction and/or increased mucous secretions in the lungs.

Ingestion may cause severe corrosion of the mouth.

Ingestion may cause severe corrosion of the gastro-intestinal tract.

Can be irritating to mucous membranes.

Chronic exposure may cause bronchitis.

Ingestion may cause diarrhea.

Prolonged exposure may cause nausea/headache/dizziness and/or eye damage.

Extremely destructive of mucous membranes and/or upper respiratory tract.

Exposure can cause coughing/chest pain and difficulty in breathing.

### **SECTION 4 - FIRST AID MEASURES**

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes.

If no burns have occurred-use soap and water to cleanse skin.

If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing.

If patient has stopped breathing administer artificial respirations.

If patient is exhibiting signs of shock - Keep warm and quiet.

Get medical attention if necessary.

If patient is in cardiac arrest administer CPR.

Continue life supporting measures until medical assistance has arrived.

Remove and wash contaminated clothing.

Do not wear shoes or clothing until absolutely free of all chemical odors.

Do not administer liquids or induce vomiting to an unconscious or convulsing person.

If swallowed, rinse out mouth with water, providing the person is conscious.

If swallowed drink 1 to 2 glasses of water.

If swallowed DO NOT induce vomiting.

Contact Poison Control Center immediately if necessary.

Get medical attention if necessary.

If patient is vomiting-watch closely to make sure airway does not become obstructed by vomit.

## SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point:

Not Available

Extinguishing Media:

Carbon dioxide, dry chemical powder or spray.

Upper Explosion Limit:

N/A

Lower Explosion Limit:

N/A

Auto Ignition:

N/A

NFPA Hazard Rating:

Health

Flammability

Reactivity

Special

0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 - Severe

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area.

Absorb on vermiculite or similar material.

Sweep up and place in an appropriate container.

Hold for disposal.

Wash contaminated surfaces to remove any residues.

Remove contaminated clothing and wash before reuse.

## SECTION 7 - HANDLING AND STORAGE

### Handling:

This chemical should be handled only in a hood. Eye shields should be worn.

Use appropriate OSHA/MSHA approved safety equipment.

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation  
Wash thoroughly after handling.

**Storage:**

Store in a cool dry place. Store only with compatible chemicals. Store only with compatible chemicals. Keep tightly closed.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

OSHA PEL (TWA):  
N/A

ACGIH TLV (TWA):  
N/A

ACGIH TLV (STEL):  
N/A

Personal Protective Equipment

Eyes: Wear Safety Glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Color: **Tan**

Phase: **Solid**

Melting Point: **N/A** C

Boiling Point: **N/A** C

Specific Gravity: **N/A**

Vapor Density: **N/A**

Vapor Pressure: **N/A**

Solubility in water: **Soluble**

Odor: **Odorless**

Evaporation Rate: **N/A**

Molecular Weight:

Molecular Formula:

**SECTION 10 - STABILITY AND REACTIVITY**

Corrosive.

Easily oxidized-May be a peroxide former-Check for peroxides on all opened samples.

Reacts with Acid halides and anhydrides.

Flammable.

Reacts with phosphorus halides.

Incompatible with strong acids.

Incompatible with strong oxidizing agents.

This material is capable of creating a dust explosion.

Reacts with Thionyl chloride.

Do not use Magnesium/Aluminum or their alloys as containers.

Decomposition liberates toxic fumes.

Hygroscopic.

Corrodes copper and its alloys.

Decomposes under acidic conditions.

Decomposed by moisture.

Decomposition products are flammable.  
Decomposition products are corrosive.  
Decomposed by Chlorine gas.  
Air sensitive.  
Incompatible with Nitrates.  
Handle and store under nitrogen.  
Corrodes glass.  
Incompatible with halogens.  
May react violently with Dimethyl sulfoxide (DMSO).  
Incompatible with Chloroformates.  
Emits toxic fumes under fire conditions.  
Container may explode under fire conditions.

## SECTION 11 - TOXICOLOGY INFORMATION

RTECS: SM8780000

|   |   |                                  |
|---|---|----------------------------------|
| <u>Oral Rat or Mouse LD50:</u><br>Not Available | <u>Dermal Rat or Mouse LD50:</u><br>> N/A | <u>Rat or Mouse LC50:</u><br>N/A |
|---|---|----------------------------------|

Carcinogenicity

|                    |                   |                    |                    |                     |                     |
|--------------------|-------------------|--------------------|--------------------|---------------------|---------------------|
| <u>OSHA:</u><br>No | <u>NTP:</u><br>No | <u>IARC:</u><br>No | <u>CARC:</u><br>No | <u>NIOSH:</u><br>No | <u>ACGIH:</u><br>No |
|--------------------|-------------------|--------------------|--------------------|---------------------|---------------------|

California Proposition 65 info: Not Listed

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available  
Environmental Fate: Not Available

## SECTION 13 - DISPOSAL CONSIDERATIONS

Burn in a chemicals incinerator equipped with an afterburner and scrubber.

## SECTION 14 - TRANSPORTATION INFORMATION

|                   |               |                       |                              |
|-------------------|---------------|-----------------------|------------------------------|
| <u>UN Number:</u> | <u>Class:</u> | <u>Packing Group:</u> | <u>Proper Shipping Name:</u> |
| UN2905            | 8             | III                   | Chlorophenolates,solid       |

## SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives  
Hazard Symbols: N/A

Risk Phrases:

Safety Phrases:

## **SECTION 16 - OTHER INFORMATION**

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container. This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticide products, food additives or as household chemicals.

This Material Safety Data Sheet (MSDS) is intended only for use with Chem Service, Inc. products and should not be relied on for use with materials from any other supplier even if the chemical name(s) on the product are identical! Whenever using an MSDS for a solution or mixture the user should refer to the MSDS for every component of the solution or mixture. Chem Service warrants that this MSDS is based upon the most current information available to Chem Service at the time it was last revised. THIS WARRANTY IS EXCLUSIVE, AND CHEM SERVICE, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. This MSDS is provided gratis and CHEM SERVICE, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES.

Copyright © 2000-2011 Chem Service, Inc. All rights reserved except that this MSDS may be printed for the use of a customer or prospective customer of Chem Service, Inc provided the entire MSDS is printed. The MSDS may not be placed in any database or otherwise stored or distributed in electronic or any other form.

This product is furnished FOR LABORATORY USE ONLY!