

# Mallinckrodt

## Material Safety Data

Emergency Phone Number: 314-982-5000

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### PHENYL SALICYLATE

#### PRODUCT IDENTIFICATION:

Synonyms: Phenyl ester salicylic acid; salol; 2 hydroxybenzoic acid phenyl ester

Formula CAS No.: 118-55-8

Molecular Weight: 214.22

Chemical Formula:  $C_{13}H_{10}O_3$

Hazardous Ingredients: Not applicable.

#### PRECAUTIONARY MEASURES

**WARNING! HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION.**

Avoid breathing dust.  
Keep container closed.  
Use with adequate ventilation.  
Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.

#### EMERGENCY/FIRST AID

If swallowed, induce vomiting immediately by giving two glasses of water, or milk if available and sticking finger down throat. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. In all cases call a physician.

SEE SECTION 5.

DOT Hazard Class: Not Regulated

#### SECTION 1 Physical Data

Appearance: White flakes and powder.

Odor: Aromatic odor.

Solubility: Insoluble in water.

Boiling Point: 173°C (343.4°F) @ 12mmHg

Melting Point: 42°C (107.6°F)

Specific Gravity: 1.26

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate: No information found.

#### SECTION 2 Fire and Explosion Information

##### **Fire:**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

##### **Explosion:**

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

##### **Fire Extinguishing Media:**

Water spray, dry chemical, alcohol foam, or carbon dioxide.

##### **Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

#### SECTION 3 Reactivity Data

##### **Stability:**

Stable under ordinary conditions of use and storage. Discolors on exposure to light.

##### **Hazardous Decomposition Products:**

Toxic gases and vapors may be released if involved in a fire.

##### **Hazardous Polymerization:**

This substance does not polymerize.

##### **Incompatibilities:**

Strong oxidizers.  
Bromine water, ferric salts; camphor, monobrominated camphor, phenol, chloral hydrate, thymol or urethan.

#### SECTION 4 Leak/Spill Disposal Information

Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from inhalation of dust.

Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools. Pick up spill for recovery or disposal and place in a closed container.

Disposal: Whatever cannot be saved for recovery may be burned in an approved incinerator or disposed in an approved waste facility.

Ensure compliance with local, state and federal regulations.

**SECTION 5 Health Hazard Information**

**A. EXPOSURE / HEALTH EFFECTS**

**Inhalation:**

Inhalation of dust may cause irritation due to its acidic character. Coughing, sneezing, and shortness of breath may occur.

**Ingestion:**

Ingestion of sizeable amounts can cause "salicylism", as evidenced by abdominal pain, vomiting, increased respiration, and mental disturbances. Fatalities resulting from respiratory or cardiovascular failure are known.

**Skin Contact:**

May cause irritation, and skin rashes in sensitive individuals. Skin absorption has reportedly occurred, but toxic levels are reached only when large skin areas are covered with the drug in a suitable base (e.g., lanolin).

**Eye Contact:**

No specific information found. Probably an irritant to eyes.

**Chronic Exposure:**

Central nervous system disturbances such as rapid breathing, confusion and even convulsions may develop. Kidneys and pancreas can be affected by prolonged ingestion.

**Aggravation of Pre-existing Conditions:**

Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

**B. FIRST AID**

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Ingestion:**

If swallowed, induce vomiting immediately by giving two glasses of water, or milk if available and sticking finger down throat. Call a physician immediately. Never give anything by mouth to an unconscious person.

**Skin Exposure:**

Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Eye Exposure:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**C. TOXICITY DATA (RTECS, 1982)**

Oral rat LD50: 3gm/kg. Reproductive effects references cited.

**SECTION 6 Occupational Control Measures**

**Airborne Exposure Limits:**

None established.

**Ventilation System:**

A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

**Personal Respirators (NIOSH Approved)**

For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

**Skin Protection:**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls to prevent skin contact.

**Eye Protection:**

Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

**SECTION 7 Storage and Special Information**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect from physical damage. Separate from oxidizing materials. Store in the dark.