

IDENTITY: Phenyl Salicylate

Section I – Manufacturer Information

Mallinckrodt, Inc.
Science Products Division
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EMERGENCY NUMBER: (314) 982-5000

Section II – Hazard Ingredients/Identity Information

Not applicable

Trade names: phenyl ester salicylic acid, salol, 2 hydroxybenzoic acid phenyl ester

Section III – Physical/Chemical Characteristics

Boiling Point: 173°C (343.4°F) @ 12mmHg	Specific Gravity: 1.26
Vapor Pressure: No information found	Melting Point: 42°C (107.6°F)
Vapor Density: No information found	Evaporation Rate: No information found

Solubility in Water: Insoluble

Appearance and Odor: White flakes and powder/Aromatic odor

Formula – $C_{13}H_{10}O_3$
Molecular weight – 214.22

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used):	Flammable Limits:
LEL:	UEL:

Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Fire Fighting Procedures: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards: Fine dust dispensed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

Section V – Reactivity Data

Stable or Unstable? Stable under ordinary conditions of use and storage.

Conditions to Avoid:

Incompatibility (Materials to Avoid): Strong oxidizers, bromine water, ferric salts, campbor, phenol, chloral hydrate, thymol or urethan.

Hazardous Decomposition or Byproducts: Toxic gases and vapors may be released if involved in a fire.

Hazardous Polymerization May Occur or Will Not Occur? Will Not Occur

Conditions to Avoid:

Section VI – Health Hazard Data

Routes of Entry

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

Skin: 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).

Ingestion: Ingestion of sizable amounts can cause “salicylism as well as abdominal pain, vomiting and increased respiration. Fatalities resulting from respiratory or cardiovascular failure are known.

Eye: No specific information found. Probably an irritant to eyes.

Carcinogenicity – No information available

NTP:

IARC Monographs:

OSHA Regulated:

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

Signs and Symptoms of Exposure:

Medical Conditions Generally Aggravated by Exposure: 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.

Emergency and First Aid Procedure:

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.

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

Skin – 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.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Remove all sources of ignition. Ventilate area of leak or spill. Clean up personnel may require protections from inhalation of dust. 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.

Waste Disposal Method: Whatever cannot be saved for recovery may be burned in an approved incinerator or disposed in an appropriate facility. Ensure compliance with all federal, state and local regulations.

Precautions to be Taken in Handling and Storing: 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.

Other Precautions:

Section VIII – Control Measures

Respiratory Protection: 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.

Ventilation

Local Exhaust: Recommended

Mechanical:

Special:

Other:

Protective Gloves: Rubber, plastic

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

Other Protective Clothing or Equipment: Boots, lab coat, apron or coveralls to prevent skin contact.

Work/Hygiene Practices:

Section IX – Additional Information

The information provided in this Material Safety Data Sheet represents data from the manufacturer and/or vendor and is accurate to the best of our knowledge. By providing this information, Delta Education LLC makes no guarantee or warranty, expressed or implied, concerning the safe use, storage, handling, precautions, and/or disposal of the products covered or the accuracy of the information contained in this fact sheet. It is the responsibility of the user to comply with local, state, and federal laws and regulations concerning the safe use, storage, handling, precautions, and/or disposal of products covered in this fact sheet.