


**SECTION I NAME** **PHENYL SALICYLATE**

**Product** PHENYL SALICYLATE  
**Chemical Synonyms** Salol  
**Formula** 2-HO-C<sub>6</sub>H<sub>4</sub>-1-COOC<sub>6</sub>H<sub>5</sub>  
**Unit(s) Size** Up to 2.5 kg.  
**C.A.S. No.** 118-55-8

		<b>CHL MTRC</b> 800-424-9300 716-226-6177 716-334-4232	<b>Health</b> 1 <b>Fire</b> 1 <b>Reactivity</b> 1
<b>HAZARD RATING</b> 0 1 2 3 4			

**SECTION II HAZARDOUS INGREDIENTS OF MIXTURES**

Principal Hazardous Component(s)	%	TLV Units
Phenyl Salicylate	100%	None established

CAUTION! MAY CAUSE IRRITATION TO SKIN AND EYES.

**SECTION III PHYSICAL DATA**

<b>Melting Point (°F)</b>	108°F (41°C)	<b>Specific Gravity (H=H)</b>	1.250
<b>Boiling Point (°F)</b>	595°F (313°C)	<b>Percent Volatile by Volume (%)</b>	Negligible as solid
<b>Vapor Pressure (mm Hg)</b>	Less than 0.1 mm at 20°C.	<b>Evaporation Rate</b>	Non-volatile (NA)
<b>Vapor Density (Air = 1)</b>	7.4		
<b>Solubility in Water</b>	0.00015 grams per ml at 25°C.		
<b>Appearance and Odor</b>	White crystalline solid; pleasant aromatic odor.		

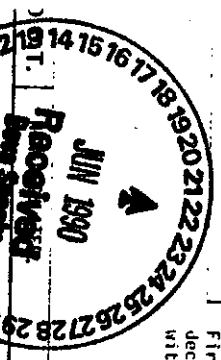
**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used)</b>	320°F (CC)	<b>Flammable Limits in Air, % by Volume (calculated)</b>	Lower: 0.80% Upper: _____
<b>Extinguisher Media</b>	Carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water fog.		

**SPECIAL FIREFIGHTING PROCEDURES**  
 In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.



**FREY SCIENTIFIC**  
 19993 KORY LANE MANSFIELD OHIO 44905  
 MSDS No. Effective Date

**SECTION V HEALTH HAZARD DATA**

**Threshold Limited Value**  
 None established. Acute oral (rat) LD50: 3000 mg/kg. Acute oral (rabbit) LD50: 3000 mg/kg.

**Effects of Overexposure**  
**EYE CONTACT:** Very slight local irritation.  
**SKIN CONTACT:** Slightly irritating. No sensitization in 62 petroleum.  
**INHALATION:** Irritation of respiratory tract.  
**INGESTION:** Irritating from the above data, the lethal dose for a 100 lb. person may be greater than 60 to 90 grams. Small amounts may cause gastric irritation.  
**EYES:** Wash thoroughly with large volumes of water. If irritation develops or persists, seek medical attention.  
**SKIN:** Wash with soap and a large volume of water.  
**INHALATION:** Remove from area of exposure. Seek medical attention.  
**INGESTION:** Give one or two glasses of water. Induce vomiting, and call a physician.

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**SECTION VI REACTIVITY DATA**

<b>Stability</b>	Unstable	<b>Conditions to Avoid</b>	Avoid excess heat and open flame; avoid strong light source.
	Stable		
<b>Incompatibility (Materials to avoid)</b>	Strong oxidizing materials, Mineral acid, Strong base, Bromine water, Ferric salts, and Chloral hydrate.		

**Hazardous Decomposition Products**  
 Phenolic products may be emitted on combustion.

**Hazardous Polymerization**  
 Will Not Occur

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled**  
 Sweep up and place in a suitable container.

**Waste Disposal Method**  
 Dispose of in an approved incinerator or contract with a licensed chemical waste disposal agency.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

Dechloro, treatment, or disposal may be subject to federal, state, or local laws.  
**Respiration Protection:** None should be required in normal laboratory use. If dusty conditions prevail, use a NIOSH-approved respirator.  
**Ventilation:** Local Exhaust (Mechanical/General) Recommended

**Protective Gloves:** Rubber  
**Eye Protection:** Chemical safety glasses.

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling and Storing**  
 Store in a cool, dry place. Wash thoroughly after handling.  
 Keep container tightly closed when not in use.  
 Read label on container before using.

**Other Precautions**  
 For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. *4/1* Date *11/17/97* Approved *[Signature]* Chemical Safety Coordinator *[Signature]*

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