

24 HOUR EMERGENCY ASSISTANCE
CHEMTREC 800-424-9300
HAZARD RATING

| | | |
|------------|---------------|---|
| 4-EXTREME | Health Hazard | 1 |
| 3-SEVERE | Flammability | 1 |
| 2-MODERATE | Reactivity | 1 |
| 1-SLIGHT | | |
| 0-MINIMAL | | |

IMPORTANT
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 OSHA requires that this form be kept on file.

Product No. C4546T

Product Name SALICYLIC ACID

SECTION I NAME

| | |
|--------------------------|--|
| Chemical Synonyms | 2-Hydroxy Benzoic Acid |
| Formula | C ₇ H ₆ O ₃ |
| C.A.S. No. | 69-72-7 |

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

| Principal Hazardous Component(s) | % | P.E.L. | TLV Units |
|----------------------------------|-----|--------|------------------|
| Salicylic Acid | 100 | N/A | none established |

Chemical subject to the reporting requirements of SARA Title III.

SECTION III PHYSICAL DATA

| | | | |
|-------------------------------|--|--|-------|
| Melting Point (°F) | 157-159°C | Specific Gravity (H₂O=1) | 1.443 |
| Boiling Point (°F) | 211°C | Percent Volatile by Volume (%) | N/A |
| Vapor Pressure (mm Hg) | <1 | Evaporation Rate (=1) | N/A |
| Vapor Density (Air=1) | 4.8 | | |
| Solubility in Water | 0.2% @ 25°C | | |
| Appearance & Odor | White to light tan powder or crystals. Odorless. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|---------------------------------|---|--|--------------|--------------|
| Flash Point Method Used) | 315°F (TCC) | Flammable Limits in Air % by Volume | Lower | Upper |
| | | | 1.1 | unknown |
| Extinguisher Media | Carbon dioxide, dry chemical foam. Use water spray to cool container. | | | |

Special Firefighting Procedures
 Firefighters should wear self-contained apparatus and full protective clothing.

Unusual Fire and Explosion Hazards

Dust may form explosive mixtures in air. Concentrations as low as 0.03 oz/ft³ can ignite.

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|-------------|---------------|
| O.T. | Not Regulated |
|-------------|---------------|

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V REACTIVITY DATA

Threshold Limit Value
 Limits for nuisance dusts are 15 mg/m³ (PEL) and 10 mg/m³ (TLV)

Effects of Overexposure
INHALATION: Irritation of upper respiratory tract. **SKIN CONTACT:** Irritation, prolonged contact may cause dermatitis. **EYE CONTACT:** Irritation, prolonged contact may cause permanent corneal damage and blindness may occur. **INGESTION:** Headache, nausea, vomiting, gastrointestinal irritation. **CHRONIC EFFECTS:** Kidney damage. **SKIN ABSORPTION:** None identified.

SECTION VI EMERGENCY AND FIRST AID PROCEDURES

WARNING! May cause irritation. Harmful if swallowed. Avoid breathing vapors and/or dusts. Use with adequate ventilation. Avoid contact with eyes, skin and clothes. Wash thoroughly after handling. Keep container closed. **FIRST AID: CALL A PHYSICIAN.** **SKIN:** Wash with soap and water. **EYES:** Wash with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **INGESTION:** If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION VII REACTIVITY DATA

| | |
|---|---|
| Stability | Conditions to Avoid |
| Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/> | Heat and open flame. |
| Incompatibility (Materials to Avoid) | Mineral acids, strong bases, iron salts, spirit nitrous ether, lead acetate, iodine and strong oxidizers. |
| Hazardous Decomposition Products | Irritating vapors or unburned material, aromatic compounds, (especially phenol) and carbon oxides. |
| Hazardous Polymerization | Conditions to Avoid |
| May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/> | N/A |

SECTION VIII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled
 Wear self contained breathing apparatus and full protective clothing. Shut off ignition sources; no flares, smoking, or flames in area. With clean shovel, carefully place material into clean, dry container and cover. Remove from area. Flush spill area with water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Place in suitable container for disposal by licensed contractor or incinerate.

SECTION IX SPECIAL PROTECTION INFORMATION

| | | | | |
|--|---|-----------------------|----------------|-------|
| Respiration Protection (Specify Type) | NIOSH approved respirator. | | | |
| Ventilation | Local Exhaust | X | Special | ----- |
| | Mechanical (General) | X | Other | ----- |
| Protective Gloves | Impervious gloves | Eye Protection | Safety glasses | |
| Other Protective Equipment | Provide eyewash stations in use and handling areas. | | | |

SECTION X SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
 Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible materials, heat and open flame. Protect container from physical damage.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals. Use only with adequate ventilation. Avoid generating dust. Wash thoroughly after handling.

| | | | | |
|--------------------|------------------|-----------------------|------------|--|
| Approved by | Steven C. Quandt | Effective Date | 10/31/2000 | For laboratory use only. Not for drug, food or household use. Keep out of reach of children. |
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