

Material Safety Data Sheet (MSDS)

Product Name: Salicylic Acid IP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

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1. Identification of the Substance/Preparation and Company

Product Name: Salicylic Acid

Synonyms: 2-Hydroxybenzoic Acid

Chemical Formula: $C_7H_6O_3$

Molecular Weight: 138.12 g/mol

Recommended Use: Pharmaceutical ingredient, antiseptic, preservative, and cosmetic formulations.

2. Hazard Identification

Classification (GHS):

- Eye irritation (Category 2A)
- Skin irritation (Category 2)
- Acute toxicity, oral (Category 4)

Signal Word: *Warning*

Hazard Statements:

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.

Precautionary Statements:

- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves/eye protection.
- P301+P312: If swallowed, call a doctor if you feel unwell.
- P305+P351+P338: If in eyes, rinse cautiously with water for several minutes.

3. Composition / Information on Ingredients

Chemical Name: Salicylic Acid

CAS No.: 69-72-7

Purity: ≥99% (IP Grade)

EINECS No.: 200-712-3

4. First Aid Measures

- **Inhalation:** Move to fresh air. If breathing is difficult, seek medical attention.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice immediately.

5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, CO₂, or foam.

- **Hazardous Combustion Products:** Carbon oxides.
 - **Firefighting Instructions:** Wear full protective gear and self-contained breathing apparatus.
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6. Accidental Release Measures

- Avoid dust formation.
 - Sweep or vacuum up and place in suitable disposal container.
 - Provide adequate ventilation.
 - Prevent entry into waterways or sewers.
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7. Handling and Storage

- **Handling:** Avoid contact with eyes, skin, and clothing. Avoid dust generation.
 - **Storage:** Store in tightly closed containers in a cool, dry, and well-ventilated area. Keep away from heat and moisture.
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Provide exhaust ventilation to control dust.
 - **Personal Protection:**
 - Eye Protection: Safety goggles.
 - Skin Protection: Protective gloves and clothing.
 - Respiratory Protection: Dust mask if ventilation is inadequate.
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Odorless or faint phenolic odor

- **pH:** Slightly acidic (in solution)
 - **Melting Point:** 158–161°C
 - **Boiling Point:** Decomposes before boiling
 - **Solubility:** Slightly soluble in water; soluble in alcohol and ether
 - **Flash Point:** 157°C (closed cup)
 - **Density:** 1.44 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
 - **Incompatible Materials:** Strong oxidizers, strong acids, and bases.
 - **Decomposition Products:** Carbon oxides under fire conditions.
 - **Conditions to Avoid:** Heat, flame, and moisture.
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11. Toxicological Information

- **Acute Toxicity (Oral, Rat):** LD50 = 891 mg/kg
 - **Skin Irritation:** May cause irritation.
 - **Eye Irritation:** Causes serious irritation.
 - **Sensitization:** Not expected to cause skin sensitization.
 - **Chronic Effects:** Prolonged exposure may cause dermatitis or respiratory irritation.
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12. Ecological Information

- **Ecotoxicity:** Toxic to aquatic life in high concentrations.
- **Persistence and Degradability:** Biodegradable.
- **Bioaccumulation:** Low potential.

- **Mobility in Soil:** Slightly mobile.

13. Disposal Considerations

Dispose of contents and containers in accordance with local, regional, national, and international regulations. Avoid release into the environment.

14. Transport Information (Detailed)

UN Number: 2811

UN Proper Shipping Name: Toxic Solid, Organic, N.O.S. (Contains Salicylic Acid)

Transport Hazard Class: 6.1 (Toxic Substances)

Packing Group: III

Labels Required: Toxic (Skull and Crossbones Symbol)

Marine Pollutant: No

Transport Precautions:

- Keep container tightly closed and upright during transport.
- Avoid generating dust.
- Ensure containers are properly labeled.
- Do not transport with oxidizing agents or incompatible materials.
- During air transport (IATA), handle as “**Toxic Solid, Organic, N.O.S.**”
- In case of spillage during transit, avoid direct contact, isolate area, and clean using proper PPE.
- Ensure vehicle is well ventilated and not exposed to high temperatures or direct sunlight.

Regulatory Transport References:

- **ADR/RID (Road/Rail):** Class 6.1, Packing Group III
- **IMDG (Sea):** Class 6.1, Packing Group III
- **IATA (Air):** Class 6.1, Packing Group III

15. Regulatory Information

- **Regulation (EC) No 1272/2008 [CLP]:** Classified as hazardous.
- **Indian Factories Act:** Follow general safety and chemical handling rules.
- **Inventory Listing:** Listed in TSCA, EINECS, and DSL inventories.

16. Other Information

Disclaimer:

The information provided above is believed to be accurate and represents the best data available at the time of preparation. However, no warranty or representation is made regarding its accuracy, completeness, or suitability for a particular purpose. The user assumes all responsibility for the safe handling and use of this product.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.