# Safety Data Sheet

## Salicylic Acid

CAROLINA®
www.carolina.com

## Section 1 Product Description

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|---|---|
| **Product Name:** | Salicylic Acid |
| **Recommended Use:** | Science education applications |
| **Synonyms:** | O-Hydroxybenzoic acid, 2-Hydroxybenzoic acid |
| **Distributor:** | Carolina Biological Supply Company<br>2700 York Road, Burlington, NC 27215<br>1-800-227-1150 |
| **Chemical Information:** | 800-227-1150 (8am-5pm (ET) M-F) |
| **Chemtrec:** | 800-424-9300 (Transportation Spill Response 24 hours) |

## Section 2 Hazard Identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200;**

**DANGER**

Harmful if swallowed. Causes serious eye damage. Harmful to aquatic life.

**GHS Classification:**
Serious Eye Damage/Eye Irritation Category 1, Skin Corrosion/Irritation Category 3, Hazardous to the aquatic environment - Acute Category 3, Acute Toxicity - Oral Category 4

## Section 3 Composition / Information on Ingredients

| Chemical Name | CAS # | % |
|---|---|---|
| Salicylic Acid | 69-72-7 | 100 |

## Section 4 First Aid Measures

**Emergency and First Aid Procedures**

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|---|---|
| **Inhalation:** | In case of accident by inhalation: remove casualty to fresh air and keep at rest. |
| **Eyes:** | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| **Skin Contact:** | After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. |
| **Ingestion:** | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. |

## Section 5 Firefighting Procedures

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|---|---|
| **Extinguishing Media:** | Use dry chemical, CO2 or appropriate foam. |
| **Fire Fighting Methods and Protection:** | Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. |
| **Fire and/or Explosion Hazards:** | Fire or excessive heat may produce hazardous decomposition products. |
| **Hazardous Combustion Products:** | Carbon dioxide, Carbon monoxide |

## Section 6 Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid the generation of dusts during clean-up. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

## Section 7 Handling and Storage

**Handling:** Wash thoroughly after handling. Do no eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
**Storage:** Avoid direct sunlight and heat.
**Storage Code:** Blue - Toxic. Store separately in a secured area.

## Section 8 Protection Information

| | ACGIH | | OSHA PEL | |
|---|---|---|---|---|
| **Chemical Name** | **(TWA)** | **(STEL)** | **(TWA)** | **(STEL)** |
| Salicylic Acid | N/A | N/A | N/A | N/A |

**Control Parameters**

**Engineering Measures:** No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.
**Respiratory Protection:** Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
**Respirator Type(s):** NIOSH approved air purifying respirator with dust/mist filter.
**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.
**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
**Gloves:** No information available

## Section 9 Physical Data

**Formula:** 2-HOC6H4COOH
**Molecular Weight:** 138.12
**Appearance:** White Crystalline Solid
**Odor:** None
**Odor Threshold:** No data available
**pH:** No data available
**Melting Point:** 159 C
**Boiling Point:** 211 C
**Flash Point:** 157 C
**Flammable Limits in Air:** 1.1% @ 200 C

**Vapor Pressure:** 0.31 hPa at 95 °C
**Evaporation Rate (BuAc=1):** No data available
**Vapor Density (Air=1):** 4.8
**Specific Gravity:** 1.44 at 20 °C
**Solubility in Water:** Slightly Soluble
**Log Pow (calculated):** 2.26
**Autoignition Temperature:** 540 C
**Decomposition Temperature:** No data available
**Viscosity:** No data available
**Percent Volatile by Volume:** No data available

## Section 10 Reactivity Data

**Reactivity:** Not generally reactive under normal conditions.
**Chemical Stability:** Stable under normal conditions.
**Conditions to Avoid:** Exposure to light.
**Incompatible Materials:** Iodine, Lead Acetate, Strong oxidizing agents, Iron Salts
**Hazardous Decomposition Products:** Carbon oxides
**Hazardous Polymerization:** Will not occur

## Section 11 Toxicity Data

**Routes of Entry** Inhalation, ingestion, eye or skin contact.
**Symptoms (Acute):** Tinnitus, Headache, Tachycardia, Vomiting, Nausea, Depressed Activity
**Delayed Effects:** No data available

**Acute Toxicity:**

| Chemical Name | CAS Number | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|---|
| Salicylic Acid | 69-72-7 | Oral LD50 CAT 400 mg/kg<br>Oral LD50 Mouse 480 mg/kg | Dermal LD50 Rat > 2000 mg/kg | Not determined |

**Carcinogenicity:**

| Chemical Name | CAS Number | IARC | NTP | OSHA |
|---|---|---|---|---|
| Salicylic Acid | 69-72-7 | Not listed | Not listed | Not listed |

**Chronic Effects:**
**Mutagenicity:** No evidence of a mutagenic effect.
**Teratogenicity:** No evidence of a teratogenic effect (birth defect).
**Sensitization:** No evidence of a sensitization effect.
**Reproductive:** No evidence of negative reproductive effects.
**Target Organ Effects:**
**Acute:** No data available
**Chronic:** No data available

## Section 12 Ecological Data

**Overview:** Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
**Mobility:** This material is expected to have moderate mobility in soil. It absorbs to most soil types.
**Persistence:** Biodegradation, Dissolved into water, Adsorbs to soil., Photodegradation
**Bioaccumulation:** No data
**Degradability:** Biodegrades quickly.
**Other Adverse Effects:** No data

| Chemical Name | CAS Number | Eco Toxicity |
|---|---|---|
| Salicylic Acid | 69-72-7 | 48 HR LC50 LEUCISCUS IDUS 90 MG/L [STATIC]<br>24 HR EC50 DAPHNIA MAGNA 105 MG/L<br>48 HR EC50 DAPHNIA MAGNA 870 MG/L [STATIC] |

## Section 13 Disposal Information

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
**Waste Disposal Code(s):** Not Determined

## Section 14 Transport Information

**Ground - DOT Proper Shipping Name:**
Not regulated for transport by US DOT.

**Air - IATA Proper Shipping Name:**
Not regulated for air transport by IATA.

## Section 15 Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

| Chemical Name | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|---|---|---|---|---|---|---|
| Salicylic Acid | 69-72-7 | No | No | No | No | No |

## Section 16 Additional Information

**Revised: 09/09/2015** **Replaces: 09/03/2014** **Printed: 10-29-2015**

# Safety Data Sheet

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

**Glossary**

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS | Chemical Abstract Service Number |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| DOT | U.S. Department of Transportation |
| IARC | International Agency for Research on Cancer |
| N/A | Not Available |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| ppm | Parts per million |
| RCRA | Resource Conservation and Recovery Act |
| SARA | Superfund Amendments and Reauthorization Act |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| IDLH | Immediately dangerous to life and health |