

MATERIAL SAFETY DATA SHEET

SALICYLIC ACID
CAROLINA BIOLOGICAL

Revised: 06/25/09
Replaces: 05/15/08
Printed: 06/30/09

1. PRODUCT DESCRIPTION

Product Name: Salicylic Acid
Product Code(s): 84-0490, 88-7070, 88-7090, 84-1135
Size: 50 mg, 500 g, 125 g
Chemical Name: Salicylic Acid
CAS Number: 69-72-7
Formula: 2-HOC₆H₄COOH
Synonyms: O-Hydroxybenzoic acid; 2-Hydroxybenzoic acid
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principal Hazardous Components: Salicylic Acid(cas#69-72-7)90-100%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: Causes irritation. Harmful if swallowed. Dust may form flammable or explosive mixture with air.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give some water. Do not induce vomiting unless and until directed by medical personnel. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm and quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): 157 °C (315 °F)(CC)

NFPA Rating: Health: 1
Fire: 1
Reactivity: 0

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume: Upper- N/A; Lower- 1.1%

Autoignition Temperature: N/A

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Dust may form flammable or explosive

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mixture with air.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Keep container tightly closed. Suitable for any general chemical storage area.

Other Precautions: Keep product out of light. Isolate from incompatible materials.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation.

NIOSH approved equipment should be worn if PELs are exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical(General): Yes

Special: No

Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab apron, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight:	138.12
Melting Point:	159 °C (318 °F)
Boiling Point:	211 °C (412 °F)
Vapor Pressure:	1.0 at 114 °C
Vapor Density(Air=1):	4.8
Specific Gravity(H2O=1):	1.44 at 20 °C
Percent Volatile by Volume:	N/A
Evaporation Rate(H2O=1):	N/A
Solubility in Water:	1.8 g/L at 20 °C
Appearance and Odor:	White crystals, odorless

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Light, heat, flame, other sources of ignition, moisture.

Incompatibility(Materials to Avoid): Strong oxidizing agents, strong bases, mineral acids, iron, most common metals

Hazardous Decomposition Products: COx, phenol

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: Oral Rat LD50: 891 mg/kg
Dermal Rat LD50: >2 g/kg

Effects of Overexposure:

Acute: See section 3

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Chronic: Kidney damage, irritation of upper respiratory tract, prolonged contact any cause dermatitis, prolonged contact may cause serious eye damage.
Conditions Aggravated by Overexposure: Skin disorders, eye problems, and imparied kidney function.
Target Organs: eyes, skin, respiratory system, GI tract
Primary Route(s) of Entry: Eye contact, skin contact, inhalation , ingestion.

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory
Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals		CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
		Name	Chemical List Category		
Salicylic Acid	No	No	No	No	NO

16. ADDITIONAL INFORMATION

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. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists

CAS Number..Chemical Abstracts Service Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

mppcf.....million particles per cubic foot

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

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TSCA.....Toxic Substances Control Act