# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product code:** SA125  
**Product Name:** SALICYLIC ACID, CRYSTAL, USP

**Other means of identification**

**Synonyms:**
- 2-Carboxyphenol
- 2-Hydroxybenzenecarboxylic acid
- 2-Hydroxybenzoic acid
- Acido o-idrossibenzoico [Italian]
- Acido salicilico [Italian]
- Acidum salicilicum
- Benzoic acid, 2-hydroxy-
- Kyselina 2-hydroxybenzoova [Czech]
- Kyselina salicylova [Czech]
- Orthohydroxybenzoic acid
- Phenol-2-carboxylic acid
- Saligel
- Salonil
- o-Carboxyphenol
- o-Hydroxybenzoic acid

**CAS #:** 69-72-7  
**RTECS #:** VO0525000  
**Ci#:** Not available

**Recommended use of the chemical and restrictions on use**

**Uses advised against:** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

**Order Online At:** [https://www.spectrumchemical.com](https://www.spectrumchemical.com)

**Emergency telephone number**  
Chemtrec 1-800-424-9300

**Contact Person:** Martin LaBenz (West Coast)  
Ibad Tirmiz (East Coast)

## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Acute toxicity - Oral Category 4
Serious eye damage/eye irritation Category 2A
Specific target organ toxicity (single exposure) Category 3

Label elements

Warning

Hazard statements
Harmful if swallowed
Causes serious eye irritation
May cause respiratory irritation

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Causes mild skin irritation

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear eye/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Storage
Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
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<td>100</td>
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4. FIRST AID MEASURES

Product code: SA125
Product name: SALICYLIC ACID, CRYSTAL, USP
4. FIRST AID MEASURES

First aid measures

General Advice: Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126).

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eye with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms

Indication of any immediate medical attention and special treatment needed
Notes to Physician: Treat symptomatically

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO2). Water spray. Foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon oxides

Specific hazards: May be combustible at high temperatures

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Use personal protective equipment. All equipment used when handling the product must be grounded. Avoid breathing dust. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Use appropriate tools to put the spilled solid in a suitable waste disposal container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. All equipment used when handling the product must be grounded. Keep away from incompatible materials.

Safe Handling Advice Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe vapours/dust. Do not ingest. Do not smoke. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat and sources of ignition.

Conditions for safe storage, including any incompatibilities


8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

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<th>Components</th>
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<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
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Canada

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<th>British Columbia</th>
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</table>

Product code: SA125 Product name: SALICYLIC ACID, CRYSTAL, USP
Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields

Skin and body protection: Long sleeved clothing. apron. Gloves.

Respiratory protection: Wear respirator with dust filter.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.
Odor: Odorless.
Formula: C7H6O3
Flashpoint (°C/°F): 157°C/315°F
Autoignition Temperature (°C/°F): 545°C/1013°F
Melting point/range(°C/°F): 158-161°C/316.4-321.8°F
Bulk density: No information available
Density (g/cm³): No information available
VOC content (g/L): No information available
Viscosity: No information available
Appearance: Powder.
Taste: Sweetish. acrid.
Flammability: No information available
Flash Point Tested according to: Closed cup
Upper Explosion Limit (%): No information available
Boiling point/range(°C/°F): 211°C/411.8°F
Specific gravity: 1.443
Evaporation rate: No information available
Odor threshold (ppm): No information available
Miscibility: No information available
Molecular/Formula weight: 138.12
Flash point (°C): 157°C
pH: Saturated solution: 2.4
Decomposition temperature(°C/°F): No information available
Upper Explosion Limit (%): No information available
Vapor pressure @ 20°C (kPa): No information available
Vapor density: 4.8
Partition coefficient (n-octanol/water): 2.26
Solubility:
Soluble in Alcohol
Soluble in Ether
Soluble in oil of turpentine
Slightly soluble in Toluene
Partially soluble in water

10. STABILITY AND REACTIVITY

Reactivity
Reactive with oxidizing agents
Incompatible with iron salts, Spirit nitrous ether, lead acetate, and iodine

Chemical stability
Possibility of Hazardous Reactions: Hazardous polymerization does not occur
Hazardous decomposition products: Carbon oxides.
Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

Product code: SA125  Product name: SALICYLIC ACID, CRYSTAL, USP
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Skin. Inhalation. Ingestion.

Acute Toxicity

Component Information

Salicylic Acid - 69-72-7
  LD50/oral/rat = 891 mg/kg Oral LD50 Rat
  LD50/oral/mouse = 480 mg/kg
  LD50/dermal/rat = > 2000 mg/kg
  LD50/dermal/rabbit = 2000 mg/kg
  LC50/inhalation/rat = 900 mg/m³ Inhalation LC50 Rat 1 h
  LC50/inhalation/mouse = No information available
  Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 891mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 480mg/kg

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 2000mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = > 2000mg/kg

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = 900mg/m³ (1-hr)

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: May cause mild to moderate skin irritation. It can be absorbed through the skin. If absorbed through the skin, it may affect the cardiovascular system (increase in pulse rate), liver, and metabolism (body temperature increase), and cause other symptoms similar to those from ingestion..

Eye Contact: Causes eye irritation.

Inhalation Inhalation of dust can cause respiratory tract irritation, coughing, sneezing, and shortness of breath/rapid breathing..

Product code: SA125 Product name: SALICYLIC ACID, CRYSTAL, USP
**Ingestion**

Harmful if swallowed in large amounts. Causes irritation of the gastrointestinal tract (nausea, vomiting abdominal pains). Ingestion of a sizable amount can cause "Salicylism" as evidenced by nausea, abdominal pain, vomiting, hyperpnea (increased deep breathing) or tachypnea (rapid shallow breaths), ringing in the ears/difficulty hearing, dimness of vision, sweating, skin eruptions, and alteration in the acid-base balance (metabolic acidosis). Severe salicylate intoxication may also affect behavior/central nervous system with symptoms such as muscle weakness, general depressed activity (somnolence), sleepiness, tremor, confusion, dizziness, agitation, irritability, disorientation, slurred speech, ataxia, restlessness, hyperactivity, hallucinations, convulsions, central nervous system depression, coma. It may also affect the cardiovascular system (hypotension, increased or decreased heart rate, dysrhythmias), liver. Fatalities resulting from respiratory or cardiovascular failure are known. The mean lethal adult dose of salicylates is between 20 and 30 grams.

**Aspiration hazard**

No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity**

Ingestion: Prolonged ingestion may cause kidney damage, liver damage, damage to stomach, involuntary shaking, anemia, internal bleeding, and other symptoms similar to acute ingestion. The pancreas may also be affected by prolonged ingestion of salicylic acid.

**Sensitization:**

No information available

**Mutagenic Effects:**

Mutations in microorganisms

Experiments with bacteria and/or yeast have shown mutagenic effects

**Carcinogenic effects:**

Not considered carcinogenic

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<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
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**Reproductive toxicity**

No data is available

**Reproductive Effects:**

No information available

**Developmental Effects:**

May cause adverse developmental effects based on animal data

**Teratogenic Effects:**

No information available

**Specific Target Organ Toxicity**


STOT - repeated exposure: No information available

Target Organs: Liver

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**
12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Aquatic environment.

Salicylic Acid - 69-72-7

Freshwater Fish Species Data: 90 mg/L LC50 Leuciscus idus 48 h static 1
Water Flea Data: 105 mg/L EC50 Daphnia magna 24 h
870 mg/L EC50 Daphnia magna 48 h

Persistence and degradability: 141% after 5 days (BOD)

Bioaccumulative potential: No information available

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

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14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: None
ERG No: No information available
Marine Pollutant: No data available
DOT RQ (lbs): No information available

TDG (Canada)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Description: No information available

ADR

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Packing Group: No information available
14. TRANSPORT INFORMATION

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IMO / IMDG

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RID

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ICAO

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IATA

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15. REGULATORY INFORMATION

International Inventories

<table>
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<tr>
<th>Components</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS (3)-1640</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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U.S. Regulations

*Salicylic Acid*

**FDA - 21 CFR - Total Food Additives**

175.105 175.300 177.2600

Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

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<th>Components</th>
<th>Carcinogen</th>
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CERCLA/SARA

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<th>Components</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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U.S. TSCA

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<th>Components</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
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Canada

WHMIS hazard class:
D2A Very toxic materials

Salicylic Acid
D2A

Canada Controlled Products Regulation:
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

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<th>Components</th>
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Inventory

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EU Classification

R-phrase(s)
R22 - Harmful if swallowed.
R41 - Risk of serious damage to eyes.
R37/38 - Irritating to respiratory system and skin.

Product code: SA125
Product name: SALICYLIC ACID, CRYSTAL, USP
S -phrase(s)
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 - If swallowed, seek medical advice immediately and show this container or label.
S37/39 - Wear suitable gloves and eye/face protection.

<table>
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<tr>
<th>Components</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
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The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:
Xn - Harmful.
Xi - Irritant.

16. OTHER INFORMATION

Product code: SA125
Product name: SALICYLIC ACID, CRYSTAL, USP
Disclaimer:
All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet