

## SAFETY DATA SHEET

Preparation Date: 05/27/2015

Revision Date: 10/29/2018

Revision Number: G2

### 1. IDENTIFICATION

#### Product identifier

**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 salicylicum  
 Benzoic acid, 2-hydroxy-  
 Acide salicylique (French)  
 Ácido salicílico (Spanish)  
 Orthohydroxybenzoic acid  
 Phenol-2-carboxylic acid  
 o-Carboxyphenol  
 o-Hydroxybenzoic acid

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

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

**Recommended use:** Medication. In organic synthesis. Food preservative. Analytical reagent. Chemical intermediate.

**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>  
**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A

Specific target organ toxicity (single exposure)	Category 3
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**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

**Precautionary Statements - Response**

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 person to fresh air and keep 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**

Components	CAS-No.	Weight %
Salicylic Acid	69-72-7	100

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice:**

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call

1-800-222-1222.

- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.
- Eye Contact:** Flush eyes 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**
- Causes serious eye irritation
  - Moderate eye irritation
  - Mild skin irritation
  - Irritating to respiratory system
  - Sneezing
  - Coughing
  - Dyspnea (Shortness of breath and difficulty breathing)
  - Nausea
  - Vomiting
  - Abdominal pain
  - Central nervous system effects
  - May affect the cardiovascular system
  - May cause metabolic acidosis
  - May affect the liver

**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 (CO<sub>2</sub>). Water spray. Foam.

**Unsuitable Extinguishing Media:** No information available.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.

**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. 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. Keep away from incompatible materials.

#### **Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe dust. 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

#### **Technical Measures/Storage Conditions:**

Moisture sensitive. Protect from moisture. Protect from light. Sensitive to light. Store in light-resistant containers. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

#### **Incompatible Materials:**

Oxidizing agents  
Iron salts  
Spirit nitrous ether  
Lead acetate  
Iodine

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **National occupational exposure limits**

##### **United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Salicylic Acid	69-72-7	None	None	None	None

##### **Canada**

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Salicylic Acid	69-72-7	None	None	None	None

### Australia and Mexico

Components	CAS-No.	Australia	Mexico
Salicylic Acid	69-72-7	None	None

### 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:** Effective dust mask. or. Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

**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

**Physical state:**  
Solid

**Appearance:**  
Powder.

**Color:**  
White.

**Odor:**  
Odorless.

**Taste**  
Sweetish. Acrid.

**Formula:**  
C7H6O3

**Molecular/Formula weight (g/mole):**  
138.12

**Flammability:**  
No information available

**Flash point (°C):**  
157°C

**Flashpoint (°C/°F):**  
157°C/ 315°F

**Flash Point Tested according to:**  
Closed cup

**Autoignition Temperature (°C/°F):**  
545°C/ 1013°F

**Lower Explosion Limit (%):**  
1.1

**Upper Explosion Limit (%):**  
No information available

**Melting point/range(°C/°F):**  
158-161°C/316.4-321.8 °F

**Decomposition temperature(°C/°F):**  
No information available

**Boiling point/range(°C/°F):**  
211°C/ 411.8°F

**Bulk density:**  
No information available

**Density (g/cm3):**

**Product code:** SA125

**Product name:** SALICYLIC ACID,  
CRYSTAL, USP

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No information available

**Specific gravity:**  
1.443

**pH:**  
Saturated solution: 2.4

**Vapor pressure @ 20°C (kPa):**  
No information available

**Evaporation rate:**  
No information available

**Vapor density:**  
4.8

**VOC content (g/L):**  
No information available

**Odor threshold (ppm):**  
No information available

**Partition coefficient  
(n-octanol/water):**  
2.26

**Viscosity:**  
No information available

**Miscibility:**  
No information available

**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

**Stability:** Moisture Sensitive. Sensitive to light. Exposure to light accelerates decomposition. Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Exposure to light. Exposure to moisture. Exposure to moist air. Incompatible materials.

**Incompatible Materials:**  
Oxidizing agents  
Iron salts  
Spirit nitrous ether  
Lead acetate  
Iodine

**Hazardous decomposition products:** Carbon oxides.

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Skin. Inhalation. Ingestion.

### Acute Toxicity

### Component Information

**Product code:** SA125

**Product name:** SALICYLIC ACID,  
CRYSTAL, USP

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Salicylic Acid	
CAS-No.	69-72-7

**LD50/oral/rat** = 891 mg/kg Oral LD50 Rat  
**LD50/oral/mouse** = 480 mg/kg  
**LD50/dermal/rabbit** = 2000 mg/kg  
**LD50/dermal/rat** = > 2 g/kg Dermal LD50 Rat  
**LC50/inhalation/rat** = >900 mg/m<sup>3</sup> 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** = 891 mg/kg

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

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

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

**LC50/inhalation/rat**  
**VALUE-Vapor** = No information available  
**VALUE-Gas** = No information available  
**VALUE-Dust/Mist** = 900 mg/m<sup>3</sup> (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 serious eye irritation. Moderately irritating to the eyes.

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

**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, thirst, 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 (somnia), 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.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Salicylic Acid	69-72-7	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*IARC (International Agency for Research on Cancer)*

*NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

**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 - single exposure** STOT - single exposure. Respiratory system.  
**STOT - repeated exposure** No information available.  
**Target Organs:** Liver.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**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:** 870 mg/L EC50 *Daphnia magna* 48 h 105 mg/L EC50 *Daphnia magna* 24 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

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Salicylic Acid	69-72-7	None	None	None	None

### 14. TRANSPORT INFORMATION

#### DOT

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Class** No information available  
**Packing group:** No information available  
**Emergency Response Guide Number** No information available  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** No Information available  
**Symbol(s):** No information available  
**Description:** 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  
**Marine Pollutant** 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  
**Subsidiary Risk:** No information available

#### IMO / IMDG

**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  
**Marine Pollutant** No information available

#### RID

Product code: SA125

Product name: SALICYLIC ACID,  
CRYSTAL, USP

**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

**ICAO**

**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

**IATA**

**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  
**ERG Code:** No information available  
**Special Provisions** No information available

**15. REGULATORY INFORMATION**

**International Inventories**

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Salicylic Acid	69-72-7	PresentACTIVE	Present KE-20367	Present	Present (3)-1640	Present	Present	Present 200-712-3

**U.S. Regulations**

*Salicylic Acid*  
**FDA - 21 CFR - Total Food Additives** 175.105, 175.300, 177.2600  
**- List Sourced from EAFUS**

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**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)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Salicylic Acid	69-72-7	Not Listed	Not Listed	Not Listed	Not Listed

**CERCLA/SARA**

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Salicylic Acid	69-72-7	None	None	None	None	None

**U.S. TSCA**

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Salicylic Acid	69-72-7	Not Applicable	Not Applicable

## Canada

### WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

The WHMIS 2015 classification of this product has not been validated or reviewed yet.

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

Components	WHMIS Ingredient Disclosure List -
Salicylic Acid	0.1 %

### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Salicylic Acid	69-72-7	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Salicylic Acid	69-72-7	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Salicylic Acid	69-72-7	Not listed

## EU Classification

### EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Salicylic Acid	69-72-7	

### EU - CLP (1272/2008)

#### **R-phrase(s)**

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

R37/38 - Irritating to respiratory system and skin.

#### **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.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Salicylic Acid	69-72-7		No information	

**The product is classified in accordance with Annex VI to Directive 67/548/EEC**

#### **Indication of danger:**

Xn - Harmful.

Xi - Irritant.

Xn



Xi



## 16. OTHER INFORMATION

**Preparation Date:** 05/27/2015  
**Revision Date:** 10/29/2018  
**Prepared by:** Sonia Owen

**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**