

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

|              |                       |
|--------------|-----------------------|
| Product name | Salicylic Acid        |
| CAS number   | 69-72-7               |
| Synonyms     | 2-Hydroxybenzoic acid |

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

|                 |                       |
|-----------------|-----------------------|
| Identified uses | Laboratory chemicals. |
|-----------------|-----------------------|

#### 1.3 Details of the supplier of the safety data sheet

|           |  |
|-----------|--|
| Company   | Lab Alley, LLC<br>12501 Pauls Valley Road<br>Austin, Texas 78737<br>U.S.A. |
| Telephone | 512-668-9918   |
| Fax       | 512-886-4008   |

#### 1.4 Emergency telephone

|                   |                              |          |
|-------------------|------------------------------|----------|
| Emergency Phone # | US & Canada: 1-800-535-5053  | INFOTRAC |
|                   | International 1-352-323-3500 | INFOTRAC |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

|                                   |            |
|-----------------------------------|------------|
| Acute Oral Toxicity               | Category 4 |
| Serious Eye Damage/Eye Irritation | Category 1 |
| Combustible Dust                  | Yes        |

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statements

Harmful if swallowed.  
Causes serious eye damage.

Precautionary statements

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

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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

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

Disposal: Dispose of contents/container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

| Chemical name  | Common name and synonyms | CAS number | Concentration |
|----------------|--------------------------|------------|---------------|
| Salicylic acid | 2-Hydroxybenzoic acid    | 69-72-7    | >95 %         |

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

General advice

|                                |   |
|--------------------------------|---|
| <b>If inhaled</b>              | Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled substance; induce artificial respiration with a respiratory medical device. Get medical attention if symptoms occur. |
| <b>In case of skin contact</b> | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.   |
| <b>In case of eye contact</b>  | Rinse immediately with plenty of water, including under eyelids, for at least 15 minutes. Obtain medical attention.   |
| <b>If swallowed</b>            | Do not induce vomiting. Call a physician or Poison Control Center immediately.  |

## 4.2 Most important symptoms and effects, both acute and delayed

Causes eye burns.

## 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: treat symptomatically.

# SECTION 5: Firefighting measures

## 5.1 Extinguishing media

|                                       |  |
|---------------------------------------|--|
| <b>Suitable extinguishing media</b>   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| <b>Unsuitable extinguishing media</b> | No information available.  |

## 5.2 Specific hazards arising from the substance or mixture

Dust can form an explosive mixture in air. Fine dust dispersed in air may ignite. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

## 5.3 Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 5.4 Further information

**Flash Point** 157°C / 314.6°F

**Autoignition Temperature** 535°C / 995°F

**Explosion limits**

**Upper** No data available.

**Lower** 1.1% @ 200°C

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

**NFPA**

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 1      | 1            | 0           | N/A              |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes, and clothing.

### 6.2 Environmental precautions

Avoid release into the environment. See Section 12 for additional ecological information.

### 6.3 Methods and materials for containment and cleaning up

Sweep up or vacuum spillage and collect in suitable container for disposal. Avoid dust formation.

### 6.4 Reference to other sections

See Section 2 for full list of hazard and precaution statements.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Precautions on safe handling**

Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions**

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from direct sunlight.

## **Incompatibilities**

Strong oxidizing agents.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Occupational exposure limits**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Personal protective equipment**

##### **Eye/face protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

##### **Skin protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

##### **Body Protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

##### **Respiratory protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

##### **Control of environmental exposure**

No information available.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

|                |                          |
|----------------|--------------------------|
| Physical State | Solid                    |
| Appearance     | Off-white                |
| Odor           | Slight                   |
| Odor Threshold | No information available |
| pH             | 2.4 sat. solution        |

|   |                               |
|---|-------------------------------|
| Melting Point/Range                       | 158 - 161°C / 316.4 - 321.8°F |
| Boiling Point/Range                       | 211°C / 411.8°F @ 20 mmHg     |
| Evaporation Rate                          | No information available      |
| Flammability (solid)                      | Not applicable                |
| Flammability or explosive limit           |                               |
| Upper                                     | No data available             |
| Lower                                     | 1.1% @ 200°C                  |
| Vapor Pressure                            | 0.3 mbar @ 95°C               |
| Vapor Density                             | Not applicable                |
| Density                                   | No information available      |
| Solubility                                | Soluble in water              |
| Partition coefficient;<br>n-octanol/water | No data available             |
| Autoignition Temp                         | 535°C / 995°F                 |
| Decomposition Temp                        | No information available      |
| Viscosity                                 | Not applicable                |
| Molecular Formula                         | C7H6O3                        |
| Molecular Weight                          | 138.12 g/mol                  |
| VOC Content(%)                            | No information available      |
| Oxidizing properties                      | No information available      |

## 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions. Light sensitive. Moisture sensitive.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Avoid dust formation. Incompatible products. Excess heat. Exposure to moisture. Exposure to light.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

### Product Information, Component Information

#### Acute toxicity

| Component       | LD50 Oral       | LD50 Dermal  | LC50 Inhalation     |
|-----------------|-----------------|--------------|---------------------|
| Salicyclic acid | 891 mg/kg (Rat) | 2 g/kg (Rat) | >0.9 mg/L (Rat) 1 h |

#### Skin corrosion/irritation

No information available.

#### Serious eye damage/eye irritation

Severe eye irritant.

#### Respiratory or skin sensitization

No information available.

#### Germ cell mutagenicity

No information available.

#### Carcinogenicity

| Component      | CAS     | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|----------------|---------|------------|------------|------------|------------|------------|
| Salicylic acid | 69-72-7 | Not listed | Not listed | Not listed | Not listed | Not listed |

#### Specific target organ toxicity - single exposure

None known.

#### Specific target organ toxicity - repeated exposure

None known.

#### Reproductive toxicity

Experiments have shown reproductive toxicity effects on laboratory animals.

#### Chronic effects

No information available.

## 11.2 Additional Information

The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product |      | Species         | Test Results |
|---------|------|-----------------|--------------|
|         | LC50 | Freshwater Fish | 90 mg/L 48h  |

|                |      |            |   |
|----------------|------|------------|---|
| Salicylic acid | EC50 | Microtox   | 138 mg/L 1h<br>214 mg/L 5 min<br>552 mg/L 1h<br>78 mg/L 210 min |
|                | EC50 | Water Flea | 105 mg/L 24h  |

## 12.2 Persistence and degradability

Soluble in water; persistence is unlikely based on information available.

## 12.3 Bio accumulative potential

No information available.

## 12.4 Mobility in soil

Will likely be mobile in the environment due to its water solubility (log Pow = 2.26).

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Endocrine disrupting properties

No information available.

## 12.7 Other adverse effects

No information available.

# SECTION 13: Disposal considerations

## 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

# SECTION 14: Transport information

**DOT (US)** Not regulated.

**IMDG** Not regulated.

**IATA** Not regulated.

# SECTION 15: Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**



Not applicable.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous**

See Section 2 for more information.

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

Not regulated.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Not listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**California Proposition 65**

Not listed.

## **SECTION 16: Other information**

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## **SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.