# Salicylic Acid, USP

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Revision Date: 05-Oct-2021
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## 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Salicylic Acid
**Synonyms:** 2-Hydroxybenzoic acid
**INCI Name:** Salicylic acid
**CAS Number:** 69-72-7
**Formula:** $C_7H_6O_3$
**Product Form:** Powder
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.
**Address:** 10800 231st Way NE
Redmond, WA 98053 (USA)
**Phone / Fax:** 425-292-9502 / 425-292-9601
**Web:** **www.makingcosmetics.com**

**Emergency Telephone Number: 1-800-424-9300 (Chemtrec)**

## 2 HAZARDS IDENTIFICATION

**GHS Classification:**
Acute Toxicity (Oral) – Category 4
Serious Eye Damage/Eye Irritation – Category 1
Combustible Dust

**Signal Word:** **DANGER**

**GHS Hazard Pictograms:**

**GHS Hazard Statements:**
May form combustible dust concentrations in air.
Harmful if swallowed.
Causes serious eye damage.

**GHS Precautionary Statements:**
Wash hands, forearms, and face thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Wear protective gloves, eye protection, face protection.
IF SWALLOWED: Call a POISON CENTER or doctor 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.
Rinse mouth.
Dispose of contents/container to an approved waste disposal plant.

**Potential Health Hazards:**
Eyes: Causes serious eye damage.
Inhalation: Not expected to be irritant.
Skin: Slightly irritating to skin.
Ingestion: Ingestion may cause nausea and vomiting. Abdominal pain.

**NFPA Ratings (704):**

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| Health | 2 | Moderate |
| Flammability | 1 | Slight |
| Reactivity | 0 | Minimal |
| Specific Hazard | N/A | |

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | Weight % | Molecular Weight |
|---|---|---|---|
| Salicylic Acid | 69-72-7 | ≥99% | 138.12 g/mol |

## 4 FIRST AID MEASURES

**Eyes:** Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an eye specialist immediately.

**Inhalation:** Move the affected person to fresh air. Seek medical attention if necessary.

**Skin:** Immediately remove contaminated clothing or footwear. Wash off with soap and plenty of water. If irritation persists, consult a doctor.

**Ingestion:** Do Not Induce Vomiting! Give nothing to drink. Never give anything by mouth to an unconscious person. Immediately seek medical advice.

## 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** Combustible at high temperature. Risk of dust explosion. Use appropriate media (water spray, foam, powder) for adjacent fire. Do not use direct water jet.

**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Do not allow run-off from fire-fighting to enter drains or water courses. Cool down the containers exposed to heat with a water spray.

**Flash Points:** 157°C (closed cup)

**Specific hazards arising from the chemical:** Toxic vapors: Carbon oxides (CO, CO2), Phenol. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Avoid contact with skin and eyes. Do not breath dust. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Avoid creating or spreading dust. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Stop leak if safe to do so. Do not allow uncontrolled discharge of product into the environment. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:** Shovel into suitable and closed container for disposal. Decontaminated and wash the floor with: Sodium hydroxide (2-5%), Wash off with plenty of water. Recover the cleaning water for subsequent disposal.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** Ground the equipment. Handle under inert gas. Protect from moisture. Provide adequate ventilation. Avoid contact with skin and eyes. Always wash hands after handling the product. Do not eat, drink, or smoke during use. See section 8 for recommendations on the use of personal protective equipment.

**Conditions for safe storage, incl. any incompatibilities:** The floor of the depot should be impermeable and designed to form a water-tight basin. Store in a well-ventilated place. Protect from light. Keep away from open flames, hot surfaces, and sources of ignition (see section 10). Keep container tightly closed. Protect from moisture. Store in original container. Recommended materials: Stainless steel, Plastic materials, Polyethylene, Polypropylene. Avoid: some plastics, Steel.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| Component | Exposure Limits | Basis | Entity |
|---|---|---|---|
| Salicylic Acid | Not available | | |

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

**Personal Protection:**

**Eyes:** Safety glasses with side-shields should be worn.

**Inhalation:** Breathing apparatus with filter. Handling product in bulk: particle filter (EN 143)

**Body:** Wear suitable gloves. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374. Breakthrough time: refer to the recommendations of the supplier. Wear suitable protective clothing.

**Other:** Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Extraction to remove dust at its source.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid/crystalline powder/needles

**Vapor Pressure @ 25°C:** 0.0002 (hPa)

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| **Odor:** | Odorless | **Vapor Density:** | No data available |
| **Odor Threshold:** | No data available | **Evaporation Rate:** | No data available |
| **Color:** | White | **Flammability:** | Not flammable |
| **Molecular Weight:** | No data available | **Upper/lower Explosive Limit:** | ≥30 g/cm$^3$ |
| **pH (aqueous solution):** | 2.4 (2% (m/v)) | **Flash Point:** | 157˚C (closed cup) |
| **Boiling Point:** | 256˚C (1013 hPa) | **Specific Gravity @ 20˚C:** | 1.44 g/cm$^3$ |
| **Melting Point:** | 157-160˚C | **Solubility:** | Soluble in: Ether, Acetone, Ethanol, Chloroform<br>Water: 2 g/L (20˚C) |
| **Bulk Density:** | 700-800 kg/m$^3$ (tamped)<br>400-500 kg/m$^3$ (non-tamped) | **Auto-Ignition Temperature:** | 549˚C |
| **Partition Coefficient: n-octanol/water:** | Log Pow: ≈2 | **Decomposition Temperature:** | 230˚C (2 K/min) |
| **Viscosity:** | Not applicable | **Explosive Properties:** | Dust may form explosive mixture in air |
| **Oxidizing Properties:** | Non-oxidizing material | **Freezing Point:** | No data available |
| **Minimum Ignition Energy:** | 3-10 mJ (MIKE 3) | **Sublimation Point:** | 76˚C |
| **Dust Explosion Constant:** | 259 bar.m/s | **Min. Ignition Temperature:** | 340˚C |

## 10 STABILITY AND REACTIVITY

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| **Reactivity:** | The product does not present any particular risk, under normal conditions of use. |
| **Chemical Stability:** | Stable at ambient temperature and under normal conditions of use. |
| **Hazardous Polymerization:** | Risk of dust explosion. |
| **Conditions to Avoid:** | High temperature. |
| **Incompatible Materials:** | Alkalis and caustic products. Oxidizing materials. |
| **Hazardous Decomposition Products:** | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## 11 TOXICOLOGICAL INFORMATION

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| **Acute Toxicity:** | Harmful if swallowed. |
| **Skin:** | LD50: >2000 mg/kg |
| **Eyes:** | Causes serious eye damage. |
| **Respiratory:** | LC50: >0.9 mg/L (1h) (dust) |
| **Ingestion:** | LD50: 891 mg/kg<br>Ingestion may cause nausea and vomiting. Abdominal pain. |
| **Carcinogenicity:** | No data available |
| **Teratogenicity:** | NOAEL (oral): 50 mg/kg |
| **Germ Cell Mutagenicity:** | In vitro and in vivo tests did not reveal any genotoxic potential. |
| **Embryotoxicity:** | No data available |
| **Specific Target Organ Toxicity:** | No data available |
| **Reproductive Toxicity:** | NOAEL (P): 225 mg/kg bw/day<br>NOAEL (F1): 675 mg/kg bw/day<br>NOAEL (F2): 675 mg/kg bw/day<br>NOAEL (oral): 50 mg/kg<br>NOAEL (oral, 4mo): 45.4 mg/kg<br>NOAEL (oral, 24mo): 45.4 mg/kg |
| **Respiratory/Skin Sensitization:** | No data available |
| **Corrosivity:** | Not classified. |
| **Sensitization:** | No data available |
| **Irritation:** | Not classified. |
| **Repeated Dose Toxicity:** | No data available |

## 12 ECOLOGICAL INFORMATION

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| **Ecotoxicity:** | This product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
| **Aquatic Vertebrate:** | LC50: 1380 mg/L (96h) (*Pimephales promelas*) |

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| **Aquatic Invertebrate:** | EC50: 870 mg/L (48h) (*Daphnia magna*)<br>NOEC: 10 mg/L (21d) (*Daphnia magna*) |
| **Terrestrial:** | ErC50: >100 mg/L (72h) (*Desmodesmus subspicatus*) |
| **Persistence and Degradability:** | Readily biodegradable. 100% biodegradation (14d) |
| **Bioaccumulative Potential:** | Log Pow: ≈2. Not potentially bioaccumulable. |
| **Mobility in Soil:** | Mobile. |
| **PBT and vPvB Assessment:** | No data available |
| **Other Adverse Effects:** | No data available |

## 13 DISPOSAL CONSIDERATIONS

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| **Waste Residues:** | Users should review their operations in terms of the applicable federal/national or local regulations disposing of waste product container. Incinerate at a licensed installation. |
| **Product Containers:** | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container. Completely empty packaging prior to decontamination. |

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

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| **DOT (Dept. of Transportation, USA):** | In accordance with DOT |
| **TDG (Transportation of Dangerous Goods, Canada):** | Not applicable |
| **IMDG (International Maritime Dangerous Goods):** | Not applicable |
| **IATA (International Air Transport Association):** | Not applicable |
| **ICAO (International Civil Aviation Organization):** | Not applicable |

## 15 REGULATORY INFORMATION

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| **TSCA Inventory Status:** | Listed. |
| **DSCL (EEC):** | No data available |
| **WHMIS (Canada):** | No data available |
| **DSL (Canada):** | Listed. |
| **EU EINECS/ELINCS/NLP:** | Listed. |
| **China IECSC:** | No data available |
| **China IECIC (06.30.2014):** | No data available |
| **Australia AICS:** | No data available |
| **Japan ENCS:** | No data available |
| **Philippines PICCS:** | No data available |
| **Korea KECI:** | No data available |
| **New Zealand NZIoC:** | No data available |
| **SARA Section 311/312 Hazard Classes:** | Health Hazard – Acute toxicity (any route of exposure)<br>Health Hazard – Serious eye damage or eye irritation<br>Physical Hazard – Combustible dust |
| **California Prop. 65:** | This product does not contain any substances known to the State of California to cause cancer and/or reproductive toxicity. |

## 16 OTHER INFORMATION

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| **Revision Date:** | 05-Oct-2021 |
| **Compliance:** | This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 |
| **Disclaimer:** | This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use. |