

## Salicylic Acid

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

Revision Date: 05-05-2015  
Supersedes: 06-05-2014

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b> Salicylic Acid	<b>Distributor:</b> MakingCosmetics.com Inc.
<b>Synonyms:</b> 2-Hydroxybenzoic acid	<b>Address:</b> 10800 231 <sup>st</sup> Way NE
<b>INCI Name:</b> Salicylic Acid	Redmond, WA 98053 (USA)
<b>CAS Number:</b> 69-72-7	<b>Phone / Fax:</b> 425-292-9502 / 425-292-9601
<b>Formula:</b> C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	<b>Web:</b> <a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Product Form:</b> Powder	
<b>Product Use:</b> Cosmetic use	<b>Emergency Telephone Number:</b> 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**GHS Signal Word:** DANGER

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H302: Harmful if swallowed  
H312: Harmful in contact with skin  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H335: May cause respiratory irritation

**GHS Precautionary Statements:**

P264: Wash skin thoroughly after handling  
P270: Do not eat, drink, smoke when using product  
P280: Wear protective gloves, eye/face protection  
P312: If swallowed call poison center or doctor  
P305: If in eyes rinse cautiously with water for several minutes. Remove contact lenses.  
P501: Dispose to an approved incineration plant

**Potential Health Hazards:**

**Eyes:** Causes serious eye irritation and eye damage.  
**Inhalation:** May cause irritation of the respiratory tract.  
**Skin:** Cause skin irritation  
**Ingestion:** May cause irritation of the gastrointestinal tract.

**NFPA Ratings (704):**

Health	2	Moderate
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard		

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Salicylic Acid	69-72-7	100%	138.12 g/mol

### 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, rinse with plenty of water and seek medical attention immediately.  
**Inhalation:** Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.  
**Skin:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention immediately  
**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

### 5 FIRE-FIGHTING MEASURES

**Flammability:** Product may be combustible at high temperatures. Auto-ignition temperature 545°C (1013°F),

**Products of Combustion:** Flash points 157°C (314.6°F) CLOSED UP  
**Suitable (and unsuitable) extinguishing media:** Carbon oxides (CO, CO<sub>2</sub>)  
**Special protective equipment & precautions for firefighters:** Small Fire: use dry chemical powder, Large Fire: Use water spray, fog or foam. Do not use water jet.  
**Specific hazards:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.  
 Dust-air mixtures may pose an explosion hazard

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions:** See section 8 for recommendations on the use of personal protective equipment.  
**Environmental precautions:** Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements  
**Methods and material for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations

## 7 HANDLING & STORAGE

**Safe handling:** See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.  
**Safe storage:** Store in cool, dry well ventilated area. Product is light-sensitive and moisture-sensitive. Keep away from incompatible materials such as oxidizing agents and moisture.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Salicylic Acid	Not available		
TWA: Time Weighted Average over 8 hours of work.		STEL: Short Term Exposure Limit during x minutes.	
TLV: Threshold Limit Value over 8 hours of work.		IDLH: Immediately Dangerous to Life or Health	
REL: Recommended Exposure Limit		WEEL: Workplace Environmental Exposure Levels	
PEL: Permissible Exposure Limit		CEIL: Ceiling	

### Personal Protection:

**Eyes:** 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.  
**Inhalation:** Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.  
**Skin:** Wear nitrile or rubber gloves, apron or lab coat.  
**Other:** Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Crystalline powder	<b>pH Value:</b>	2.4
<b>Odor:</b>	Slightly phenolic	<b>Vapor Density:</b>	Not applicable
<b>Color:</b>	White	<b>Vapor Pressure:</b>	0.00082 mm Hg
<b>Medium Particle Size:</b>	Not available	<b>Flash Point:</b>	157°C (314.6°F)
<b>Molecular Weight:</b>	138.12 g/mol	<b>Specific Gravity:</b>	1.443 g/cm <sup>3</sup>
<b>Specific Surface Area (BET):</b>	Not available	<b>Solubility:</b>	Soluble in acetone. Partially soluble in water and oils.
<b>Boiling Point:</b>	200°C (392°F)		
<b>Melting Point:</b>	158.6°C (317.5°F)		

## 10 STABILITY AND REACTIVITY

**Reactivity:** Stable under normal temperatures and pressures. Moisture sensitive. Light sensitive. Darkens on exposure to light.  
**Incompatibilities:** Oxidizing agents, lead acetate, iron salts, alkalis, iodine, spirit nitrous ether.  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** High temperatures, incompatible materials, light, moisture, strong oxidants.  
**Hazardous Decomposition Products:** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Draize test, rabbit, eye: 100 mg Severe; Draize test, rabbit, skin: 500 mg/24H Mild; Inhalation, rat: LC50 = >900 mg/m <sup>3</sup> /1H; Oral, mouse: LD50 = 480 mg/kg; Oral, rabbit: LD50 = 1300 mg/kg; Oral, rat: LD50 = 891 mg/kg; Skin, rabbit: LD50 = >10 gm/kg; Skin, rat: LD50 = >2 gm/kg;
<b>Carcinogenicity:</b>	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA
<b>Teratogenicity:</b>	Oral, rat: TDLo = 1050 mg/kg (female 8-14 day(s) after conception) Specific Developmental Abnormalities - Central Nervous System and craniofacial (including nose and tongue) and musculoskeletal system.; Oral, rat: TDLo = 350 mg/kg (female 8-14 day(s) after conception) Effects on Embryo or Fetus - extra-embryonic structures (e.g., placenta, umbilical cord).; Oral, mouse: TDLo = 1 gm/kg (female 17 day(s) after conception) Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants) and fetotoxicity (except death, e.g., stunted fetus).
<b>Mutagenicity:</b>	Mutation in Microorganisms: <i>Saccharomyces cerevisiae</i> = 1 mmol/L/3H.; DNA Inhibition: Oral, mouse = 100 mg/kg.
<b>Sensitizing:</b>	Not sensitizing, not photoallergenic
<b>Reproductive Toxicity:</b>	Oral, rat: TDLo = 1050 mg/kg (female 8-14 day(s) after conception) Maternal Effects - uterus, cervix, vagina and Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants) and litter size (e.g. # fetuses per litter; measured before birth).; Oral, rat: TDLo = 40 mg/kg (female 20-21 day(s) after conception) Maternal Effects - parturition.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Bacteria: <i>Phytobacterium phosphoreum</i> : EC50 = 214 mg/L; 5 min; Microtox test Adsorption, volatilization and bioconcentration are not expected to be important environmental fate processes. Biodegradation is expected to be the dominant removal mechanism from soil and water. It may also undergo photochemical degradation in sunlit environmental media.
<b>Environmental:</b>	In air, it is expected to exist in both the vapor and particulate phase. Vapor phase reaction with photochemically produced hydroxyl radicals may be important (estimated half-life of 1.2 days). Removal by wet and dry deposition can also occur. BOD = 141%, 5 days.
<b>Physical:</b>	Rapidly degrades to phenol when heated.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
<b>RCRA P &amp; U-Series:</b>	None listed

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	TSCA 8(b) inventory: Salicylic acid
<b>DSCL (EEC):</b>	R22- Harmful if swallowed. R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39: Wear suitable gloves and eye/face protection
<b>WHMIS (Canada):</b>	CLASS D-2A: Material causing other toxic effects (VERY TOXIC)
<b>SARA:</b>	AS # 69-72-7: acute, chronic. No chemicals are reportable under Section 313.
<b>OSHA:</b>	None of the chemicals in this product are considered highly hazardous by OSHA.
<b>CA Proposition 65:</b>	No Significant Risk Level: None of the chemicals in this product are listed

## 16 OTHER INFORMATION

**Revision Date:** 05-05-2015

**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 suitability & completeness of such information for his own particular use.