

## Sorbic Acid

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

Revision Date: 11-16-2015  
Supersedes: 11-08-2012

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Sorbic Acid  
**Synonyms:** Not available  
**INCI Name:** Sorbic Acid  
**CAS Number:** 110-44-1  
**Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>2</sub>  
**Product Form:** Solid (powder)  
**Product Use:** Cosmetic use

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

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

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Not classified  
**GHS Labeling:** Not classified  
**GHS Hazard Pictograms:** None  
**GHS Hazard Statements:** None  
**GHS Precautionary Statements:** None  
**Potential Health Hazards:** Eyes: Irritant.  
Inhalation: May be irritant.  
Skin: May be irritant.  
Ingestion: May be irritant.

**NFPA Ratings (704):**

Health	2	Moderate
Flammability	1	Slight
Reactivity	1	Slight
Specific Hazard	n/a	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Sorbic Acid	110-44-1	100%	112.13 g/mol

### 4 FIRST AID MEASURES

**Eyes:** Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Seek medical attention.  
**Inhalation:** Remove to fresh air. Seek medical attention.  
**Skin:** Wash skin with soap and water. Seek medical attention if symptoms occur.  
**Ingestion:** Wash out mouth with water and seek medical attention.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Suitable extinguishing media are CO<sub>2</sub>, water.  
**Special protective equipment & precautions for firefighters:** Firefighters should wear full protective clothing including self-contained breathing Apparatus.  
**Flash Points:** OPEN CUP: 127°C (260.6°F)  
**Specific hazards arising from the chemical:** These products are carbon oxides (CO, CO<sub>2</sub>)

### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** See section 8 for recommendations on the use of personal protective equipment.  
**Environmental precautions:** Dispose of waste according to local regulations. Active sludge method or burning out.  
**Methods and material for containment and cleaning up:** Clean up by vacuum and wash by water.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practices.

**Conditions for safe storage, incl. any incompatibilities:** Store in accordance with federal, state and local regulations. Store in a cool dry well ventilated area.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Sorbic Acid	N/A		

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, goggles, or face shield recommended for eye protection.

**Inhalation:** Appropriate NIOSH approved respiratory protection may be worn.

**Body:** Gloves and protective clothing should be worn to prevent prolonged skin contact.

**Other:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Solid	<b>Vapor Pressure:</b>	<0.01 mm/Hg (20 °C)
<b>Odor:</b>	Slight	<b>Vapor Density:</b>	3.87 (Air = 1)
<b>Taste:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Color:</b>	White	<b>Flammability:</b>	Not available
<b>Molecular Weight:</b>	112.13 g/mol	<b>Upper/lower Explosive Limit:</b>	Not available
<b>pH (3% sol. in water)</b>	Not available	<b>Solubility:</b>	Water soluble at approx. 1% at 20 °C and 4% at 90 °C. Oil and propylene glycol soluble at 1% at 20% and 10% at 90 °C.
<b>Boiling Point:</b>	228 °C (442.4 °F)		
<b>Melting Point:</b>	134.5 °C (274.1 °F)		
<b>Flash Point:</b>	260 °F (127 °C)		
<b>Specific Gravity:</b>	1.204		

## 10 STABILITY AND REACTIVITY

**Reactivity:** Stable under normal conditions.

**Chemical Stability:** Stable under normal conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Aluminum powder, iron, oxidizers and zinc.

**Hazardous Decomposition Products:** None known.

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Sorbic acid: ORAL (LD50): Acute: 7360 mg/kg [Rat]. 3200 mg/kg [Mouse].

**Skin:** Mild irritant

**Eyes:** Irritant

**Respiratory:** Not available

**Ingestion:** Not available

**Carcinogenicity:** Not available

**Teratogenicity:** Not available

**Germ Cell Mutagenicity:** Not available

**Embryotoxicity:** Not available

**Specific Target Organ Toxicity:** Not available

**Reproductive Toxicity:** Not available

Respiratory/Skin Sensitization: Not available

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

Aquatic Vertebrate: Not available  
Aquatic Invertebrate: Not available  
Terrestrial: Not available  
Persistence and Degradability: Not available  
Bioaccumulative Potential: Not available  
Mobility in Soil: Not available  
PBT and vPvB Assessment: Not available  
Other Adverse Effects: Not available

## 13 DISPOSAL CONSIDERATIONS

**Waste Residues:** 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.

**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.

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

DOT (Dept. of Transportation, USA): Not regulated  
TDG (Transportation of Dangerous Goods, Canada): Not regulated  
IMDG (International Maritime Dangerous Goods): Not regulated  
IATA (International Air Transport Association): Not regulated  
ICAO (International Civil Aviation Organization): Not regulated

## 15 REGULATORY INFORMATION

TSCA Inventory Status: TSCA 8(b) inventory: Sorbic acid  
DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.  
WHMIS (Canada): Not controlled under WHMIS (Canada)

## 16 OTHER INFORMATION

**Revision Date:** 11-16-2015

**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.