



# Botanic Planet

Your Supplier for Essential Oils & Botanicals Canada Inc.

## Sorbic Acid

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

Revision Date: 11-16-2022  
Supersedes: 11-08-2020

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Sorbic Acid  
**Synonyms:** Not available  
**INCI Name:** Sorbic Acid  
**CAS Number:** 110-44-1  
**Formula:**  $C_6H_8O_2$   
**Product Form:** Solid (powder)  
**Product Use:** Cosmetic use

**Distributor:** BOTANIC PLANET CANADA INC  
**Address:** 2 BRAM COURT  
UNIT 3-4  
**Phone / Fax:** 905-455-4444  
**Web:** [www.botanicplanet.ca](http://www.botanicplanet.ca)  
**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

Component	Exposure Limits	Basis	Entity
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

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

## 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

### Disclaimer & Caution:

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Botanic Planet Canada Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained.

The liability of Botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. Botanic Planet Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Botanic Planet Canada Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

**BOTANIC PLANET CANADA INC. 2 BRAM COURT UNIT 3-4**

**[www.botanicplanet.ca](http://www.botanicplanet.ca)**