

Material Safety Data Sheet

Revision: 02/16/2006



Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS)

**IDENTIFICATION OF THE
SUBSTANCE/PREPARATION
AND COMPANY**

PRODUCT NAME:
Sorbic Acid

PRODUCT CODE:
21705

EEC NUMBER:
203-768-7

SUPPLIER:

USB Corporation, 26111 Miles Road, Cleveland, Ohio 44128 Phone: (216) 765-5000
Please visit our website at www.usbweb.com for contact information on USB product distributors within your area.

Emergency Contact:

Chemtrec (800) 424-9300
Outside USA & Canada 703 527 3887

**COMPOSITION/
HAZARDOUS COMPONENTS**

HAZARD

CAS NO.

%WT

TLV

CHIP R & S Phrases

Sorbic Acid

110-44-1

~99%

R:36/37/38 Irritating to eyes, respiratory system and skin.
S:24/25 Avoid contact with skin and eyes.
S:26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S:36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

HAZARDS IDENTIFICATION

CHIP

Irritant

HCS

Irritant

FIRST-AID MEASURES

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

FIRE-FIGHTING INFORMATION

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. Emits toxic fumes under fire conditions. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. NFPA Rating: H = 2 F = 1 R = 0.

Flash Point = 127°C (260.6°F) closed cup.

ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Clothing, cloth, paper and other absorbent material saturated with this product may ignite spontaneously. Avoid contact of material with skin or eyes. Use adequate ventilation.

HANDLING AND STORAGE

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Use adequate ventilation. Keep away from heat, sparks and open flame. Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from light. Keep container tightly closed.

PERSONAL PROTECTION

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash. HMIS Rating: H = 2 F = 1 R = 0.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline powder
Vapor Pressure (mm Hg): 0.01 mm Hg @ 20°C
Solubility (Water): Slightly soluble
Percent Volatile: No data available
Chemical Formula: C6-H8-O2

Boiling Point: 228°C
Vapor Density: 3.8 (air = 1)
Specific Gravity: 1.20 g/cm³ @ 20°C
Evaporation Rate: No data available
Melting Point: 132-135°C

STABILITY AND REACTIVITY

Product is stable. Protect from light. Hazardous decomposition products include carbon oxides. Incompatible with oxidizing agents, bases and reducing agents. Hazardous polymerization will not occur.

TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE:

EYES: Causes eye irritation.

SKIN: Causes skin irritation characterized by redness, swelling and itching.

INHALATION: Material is irritating to mucous membranes and upper respiratory tract.

INGESTION: May cause irritation to the gastrointestinal tract with nausea, vomiting and diarrhea.

ADDITIONAL INFORMATION:

May be harmful by inhalation, ingestion and skin absorption.

Irritation, tumorigenic, mutation and toxicity data listed in RTECS under WG2100000.

Only select RTECS information is provided here. Please see actual RTECS entry for complete information.

Irritation data: Skin Human 150 mg/1H = Severe (1958). Skin Rabbit 1 mg = Severe (1965).

Toxicity data: Oral Rat LD50 = 7360 mg/kg (1948). Details of toxic effects not reported other than lethal dose value.

Tumorigenic data: equivocal tumorigenic agent by RTECS criteria (1966).

Definition(s): RTECS = Registry of Toxic Effects of Chemical Substances.

ECOLOGICAL INFORMATION

No information available.

DISPOSAL CONSIDERATIONS

Dispose of material in accordance with applicable local, state, and federal regulations.

TRANSPORTATION INFORMATION

US DOT / IATA: No applicable information.

REGULATORY INFORMATION

RCRA - No applicable information.

SARA 302 - This material does not have an RQ or TPQ.

SARA 313 - This material is not reportable under 313.

EPA TSCA Section 8(b) - Chemical Inventory.

Exposure Limits - Not established.

California Proposition 65 - No applicable information.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.