



24 Madison Road, Fairfield, New Jersey 07004, USA
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MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name: Jeen International Corp. **Chemtrec Emergency Telephone # 800-424-9300**
24 Madison Road **Chemtrec Int'l Tel.# 703-527-3887(Collect Calls Accepted)**
Fairfield, NJ 07004 Date Prepared: January 7, 1992
Telephone No.: (973) 439-1401

Common Name (used on label) (Trade Names & Synonyms): **Sorbic Acid**
CAS No.: 110-44-1
Chemical Name: trans, trans - Sorbic Acid
Chemical Family: Aliphatic carboxylic acid
Formula: $C_6H_8O_2$

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

PRINCIPLE HAZARDOUS COMPONENT(S) (CHEMICAL & COMMON NAME(S)) %
THRESHOLD LIMIT VALUE (UNITS): NONE APPLICABLE

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

BOILING POINT: 246°F (10 mm/Hg)
SPECIFIC GRAVITY (H₂O=1): 1.204
VAPOR PRESSURE (mm Hg): < 0.01 mm/Hg (20°C)
PERCENT VOLATILE BY VOLUME (%): NOT AVAILABLE
VAPOR DENSITY (AIR=1): NOT AVAILABLE
EVAPORATION RATE: NOT AVAILABLE
SOLUBILITY IN WATER: 0.15 g/100 g (20°C)
REACTIVITY IN WATER: NOT REACTIVE
APPEARANCE AND ODOR: WHITE POWDER; DUST FREE

FLASH POINT: 260°F (O.C.)
FLAMMABLE LIMITS IN AIR % BY VOLUME: 20 mg/l
LOWER: -
UPPER: -
EXTINGUISHER MEDIA: WATER, CO₂
AUTO IGNITION TEMPERATURE: 440°C
SPECIAL FIRE FIGHTING PROCEDURES: NO SPECIAL PROCEDURES ARE REQUIRED
UNUSUAL FIRE AND EXPLOSION HAZARDOUS: NOTHING

SECTION IV - PHYSICAL DATA

STABILITY: STABLE
CONDITIONS TO AVOID: -
INCOMPATIBILITY (MATERIALS TO AVOID): ALUMINUM POWDER, IRON, OXIDIZERS, ZINC
HAZARDOUS DECOMPOSITION PRODUCTS: NOTHING
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: POLYMERISE IN SOLUTION OR ABOVE THE MELTING POINT OF 135°C BY HEAT, LIGHT, AIR OR OTHER FREE RADICAL POLYMERIZATION CATALYSTS.



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SECTION V - HEALTH HAZARDS

THRESHOLD LIMIT VALUE: LD₅₀: 2820 mg/Kg (irp - mus)
SIGNS & SYMPTOMS OF EXPOSURE:
ACUTE OVEREXPOSURE: CAN CAUSE EYE IRRITATION AND SLIGHT SKIN IRRITATION
CHRONIC OVEREXPOSURE: NOT AVAILABLE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: -
CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: -
NATIONAL TOXICOLOGY PROGRAM: I.A.R.C MNOGRAPHS: OSHA:
NO NO NO
OSHA PERMISSIBLE EXPOSURE LIMIT: UNKNOWN
ACGIH THRESHOLD LIMIT VALUE: UNKNOWN
OTHER EXPOSURE LIMIT USED: UNKNOWN

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.
EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER AT LEAST 15 MIN. CALL A PHYSICIAN.
SKIN: IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF WATER.
INGESTION: CALL A PHYSICIAN.

SECTION VI - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): MASK
VENTILATION:
LOCAL EXHAUST: REQUIRED
MECHANICAL(GENERAL): -
SPECIAL: -
OTHER: -
PROTECTIVE GLOVES: RUBBER GLOVES
EYE PROTECTION: EYE GLASSES
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NOTHING

SECTION VII - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
NO SPECIAL PRECAUTIONS ARE NECESSARY IN ITS HANDLING. STORED IN A DRY PLACE AND SHOULD NOT BE EXPOSED TO LIGHT OR HEAT.
OTHER PRECAUTIONS:
PAPER, CLOTH AND OTHER ABSORBENT MATERIALS SOAKED WITH SORBATES MAY IGNITE SPONTANEOUSLY SO THAT THESE SUBSTANCES SHOULD BE KEPT AWAY FROM CELLULOSIC MATERIALS.
STEPS TO BE TAKEN IN CASE MATERIALS IS RELEASED OR SPILLED:
CLEAN UP BY VACUUM-CLEANER AND WASH BY WATER.
WASTE DISPOSAL METHODS:
ACTIVE SLUDGE METHOD OR BURNING OUT.