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MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Issued by: JEEN INTERNATIONAL CORPORATION  
24 MADISON ROAD  
FAIRFIELD, NJ 07004  
Telephone No.: 973-439-1401

Chemtrec Emergency Tel.#800-424-9300  
\*Chemtrec Int'l Emergency Tel.# 703-527-3887  
\*Collect Calls Accepted.

Date Prepared: March 1, 1990

Common Name (used on label)  
(Trade Names & Synonyms): **Potassium Sorbate** (Powder or Granular Form)

CAS No.: 590-00-1

Chemical Name: 2,4-Hexadienoic acid, potassium salt

Chemical Family: Aliphatic carboxylic acid

Formula:  $C_6H_7O_2K$

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: -

MELTING POINT: 130~135°C

SPECIFIC GRAVITY (H<sub>2</sub>O=1)  $d_{20}^{25}$  1.363

VAPOR PRESSURE (mm Hg): NOT AVAILABLE

PERCENT VOLATILE BY VOLUME (%): NOT AVAILABLE

VAPOR DENSITY (AIR=1): NOT AVAILABLE

EVAPORATION RATE: NOT AVAILABLE

SOLUBILITY IN WATER: 58.2% (20°C)

REACTIVITY IN WATER: NOT REACTIVE

APPEARANCE AND ODOR: WHITE CRYSTALLINE POWDER; ODORLESS OR SLIGHT CHARACTERISTIC ODOR

FLASH POINT: HIGHER 210°C

FLAMMABLE LIMITS IN AIR  
% BY VOLUME:  
LOWER: 120 mg/l  
UPPER: -

EXTINGUISHER MEDIA: WATER, CO<sub>2</sub>

AUTO IGNITION TEMPERATURE: NOT AVAILABLE

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): MOISTURE

HAZARDOUS DECOMPOSITION PRODUCTS: NOTHING

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: -



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#### SECTION V - HEALTH HAZARDS

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THRESHOLD LIMIT VALUE: LD<sub>50</sub>: 2500 mg/Kg (orl - rat)  
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. MONOGRAPHS: 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.

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#### SECTION VI - SPECIAL PROTECTION INFORMATION

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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

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#### SECTION VII - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

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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 MATERIAL IS  
RELEASED OR SPILLED:  
CLEAN UP BY VACUUM-CLEANER AND WASH BY WATER.  
WASTE DISPOSAL METHODS:  
ACTIVE SLUDGE METHOD OR BURNING OUT

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