



State of the art ingredients · fast friendly service

PRODUCT NAME: POTASSIUM SORBATE
MSDS NUMBER: 66926
DATE ISSUED: 01/25/2007
SUPERSEDES: 06/16/2005
ISSUED BY: 004937

1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

GENERAL USE: Food Additive
COMMON NAME: Potassium Sorbate,
2,4-Hexadienoic acid, Potassium Salt
COUNTRY/COUNTRIES: U.S.A.
EMERGENCY TELEPHONE NUMBER:
1-800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White crystalline powder with no odor.
WARNING. Causes eye irritation. May cause skin irritation
POTENTIAL HEALTH EFFECTS: See Section 11 for more information.
LIKELY ROUTES OF EXPOSURE: eye and skin contact, inhalation
INHALATION: Potassium sorbate is not known to cause respiratory irritation.
EYE CONTACT: Potassium sorbate causes eye irritation.
SKIN CONTACT: Potassium sorbate may cause skin irritation.
INGESTION: Not harmful an FDA approved food additive.
CHRONIC: No known effects.
TARGET ORGANS: eyes, skin
CARCINOGENICITY: This substance not is listed by NTP, OSHA, or IARC as a carcinogen.
POTENTIAL ENVIRONMENTAL EFFECTS: See Section 12 for more information. Not toxic to aquatic organisms.



State of the art ingredients · fast friendly service

3. COMPOSITION, INFORMATION ON INGREDIENTS

Product contains the following hazardous ingredient:

COMPONENT	CAS No.	%
2,4-Hexadienoic acid, potassium salt, (2E,4E)-	24634-61-5	100

4. EMERGENCY AND FIRST AID MEASURES

INHALATION: Move to fresh air. Get medical attention if symptoms occur.

SKIN CONTACT: Remove contaminated clothing and wash before reuse. Wash skin with soap and water.

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

INGESTION: Do NOT induce vomiting. Do NOT administer anything by mouth to an unconscious person. Get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, water spray, foam or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE and EXPLOSION HAZARDS: Dust-air mixtures may ignite or explode.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and potassium.

6. ACCIDENTAL RELEASE MEASURES

GENERAL: Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill. Place spill in a chemical waste container.

SPECIFIC: Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Dike spill. Sweep up material and dispose as waste following local regulations. Scrub contaminated area with detergent and water.

7. HANDLING and STORAGE

HANDLING: Take precautionary measures against electrostatic loading. Avoid contact with skin and eyes. Avoid prolonged or repeated breathing of dust. Wash thoroughly after handling.

STORAGE: Keep away from sources of ignition. Store in a cool, dry place protected from light. Keep container tightly closed.

5103 Commercial Park Dr., Ste A · Austin TX 78724
(512) 535::2711 · (512) 535::7362 fax
www.ingredientstodiefor.com · help@ingredientstodiefor.com



State of the art ingredients · fast friendly service

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

COMPONENT	OSHA: TWA	ACGIH: TWA/STEL
Potassium sorbate	None established	None established

ENGINEERING CONTROLS: Control the airborne concentrations below the exposure limits. Use only with adequate ventilation.

PERSONAL PROTECTION:

RESPIRATORY: Use only with adequate ventilation.

SKIN PROTECTION: Use of protective gloves is required.

EYE PROTECTION: Avoid contact with eyes.

OTHER: Avoid all skin, eye and clothing contact with the product. Promptly change affected clothing.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: white crystalline powder

ODOR:	none
VAPOR PRESSURE @ 20 deg C:	not determined
MELTING POINT:	210 deg C (decomposition)
DENSITY @ 20 deg C:	1.36g/cm ³
BOILING POINT:	not determined
BULK DENSITY:	0.27 g/cm ³
SELF-IGNITING:	>150 deg C (wire basket)
SOLUBILITY in water @ 20 deg C :	58 weight %
FLASH POINT:	not applicable
pH (1.6g/1) g 20 deg C:	8-11
PARTITION COEFFICIENT:	-1.721log POW

10. STABILITY and REACTIVITY

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Avoid contact with oxidizing agents.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition will produce oxides of carbon and potassium.



State of the art ingredients · fast friendly service

11. TOXICOLOGICAL INFORMATION

EYE: Potassium sorbate is an irritant in rabbit eyes.

SKIN: Acute dermal toxicity LD50 (rat) > 2,000 mg/kg (sorbic acid); may cause irritation in humans.

INGESTION: Acute oral toxicity LD50 (rat) > 2,000 mg/kg.

INHALATION: Potassium sorbate is not known to irritate the respiratory tract.

MUTAGENICITY: Potassium sorbate is not mutagenic in several in-vitro and invivo tests (sorbic acid).

SENSITIZATION: No effects known.

CARCINOGENICITY: For sorbic acid, no indications of carcinogenic effects are available from long-term trials in rats.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: Readily degradable (sorbic acid).

FISH TOXICITY: LC50 96 hr (Brachidanio rerio) = 1250 mg/L

DAPHNIA MAGMA TOXICITY: EC50 48 hr = 750 mg/L

ALGAE TOXICITY: EC50 72 hr (Scenedesmus subspicatus) = 24.1 mg/L (sorbic acid)

BACTERIA TOXICITY: EC50 3 hr (Bak) = >100 mg/L (sorbic acid)

13. DISPOSAL CONSIDERATIONS

Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

14. TRANSPORT INFORMATION (not meant to be all inclusive)

D.O.T. : Not regulated



State of the art ingredients · fast friendly service

15. REGULATORY INFORMATION (not meant to be all inclusive)

UNITED STATES

Potassium sorbate is listed on the TSCA Inventory.
Potassium sorbate is regulated by the Food, Drugs and Cosmetics Act, GRAS status (21CFR 182.3640).

This Material Safety Data Sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard.

Health Hazards:	Irritant eyes, skin
SARA Hazard Class: Acute:	Yes Chronic: No
Fire Hazard: No Pressure:	No
Reactivity:	No.

Disclaimer

The information contained in this Certificate of Analysis and Material Safety Data Sheet are obtained from current and reliable sources. As the ordinary or otherwise use(s) of this product is outside the control of Ingredients To Die For, 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.

Ingredients To Die For expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, Ingredients To Die For as to the fitness for any use should consider nothing contained herein as a recommendation. The liability of Ingredients To Die For is limited to the value of the goods and does not include any consequential loss.