

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800-424-9300

PRODUCT IDENTIFICATION:

Product Name: Potassium Sorbate Granules

Synonyms: 2, 4-Hexadienoic Acid, Potassium Salt, Sorbic Acid, Potassium Salt

Chemical Family: Carboxylic Acid Salt

Version Date: 09/10/99

HA

ZARDOUS INGREDIENTS:

Ingredient: Potassium Sorbate (24634-61-5)

Percent: 100%

Hazard Data: Eye irritant

PHYSICAL DATA:

Physical Data:	Low	High	Units	Comment
Melting Point:	270		°C	Decomposes
Density:	1.36		G/CM3	At 20°C
Solubility in Water:	582		G / L	Approx. at 20°C
pH:	8	11		50% in water at 20°C
% Volatile:	<1.0%			
Decomposition Temp:	270		°C	

Appearance and Odor:

White to off-white pellets, granules or powder with characteristic odor.

FIRE AND EXPLOSION HAZARDS:

Extinguishing Media: Carbon Dioxide, water spray, foam or dry chemical.

Special Procedures: Use self-contained breathing apparatus.

Unusual Hazards: Emits toxic fumes under fire conditions.

HEALTH INFORMATION:

Signs and symptoms of overexposure: See effects of overexposure.

Primary Route of Exposure:

Inhalation: No

Skin Absorption: No

Ingestion: Yes

Effects of Overexposure: This product was found to be an eye irritant when tested on rabbits and a non-irritant when tested on rabbit skin.

Toxicity:

Route	Test	Dose	Units	Comments
ORL-Rat	LD50	<2000	MG / KG	
FSH-TOX	LC50	1.0 - 1.8	G / L	Zebra fish @ 48 HRS.
FSH-TOX	LC50	1.25	G / L	Zebra fish @ 96 HRS.
OECD202	EC50	901	MG / L	Daphnia @ 24 HRS.

Toxicity Text: This product was found to be an invitro mutagen in various test systems.

Biodegradability: OECD 302B: 95% (6 days)

Carcinogen:

IARC: No **NTP:** No **OSHA:** No

OCCUPATIONAL EXPOSURE LIMITS:

Text: Not established.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Consult a physician if irritation of respiratory passages occurs.

Eye Contact: Flush with water. Consult physician if irritation continues.

Skin Contact: Wash with soap and water. Consult physician if irritation continues.

Ingestion: If person is conscious, give water or milk to dilute stomach contents. Consult a physician.

Additional Measures: None found.

REACTIVITY DATA:

Chemical Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Thermal decomposition may generate carbon monoxide and carbon dioxide and potassium oxide.

SPILL OR LEAK PROCEDURES / WASTE DISPOSAL:

Spill or Leak Procedures: Collect into suitable container.

Waste Disposal: Dispose of or incinerate in accordance with regulations.

EMPLOYEE PROTECTION:

Respiratory Protection: NIOSH approved dust respirator recommended.

Protective Clothing: Clothing suitable to avoid skin contact. Safety Glasses. Rubber Gloves.

Additional Protective Measures: Use local exhaust ventilation..

SPECIAL PRECAUTIONS:

Keep tightly sealed.
