

AERCHEM INC.
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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. |
| OEC202 | 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.
