

## MATERIAL SAFETY DATA SHEET

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**Identification**

**Product Name:** Potassium Sorbate Granules  
**Synonyms:** 2,4-Hexadienoic Acid, Potassium Salt,  
Sorbic Acid, Potassium Salt.  
**Formula:** C<sub>6</sub>H<sub>7</sub>O<sub>2</sub>K  
**Molecular Wt:** 150.2  
**CAS Number:** 24634-61-5

**Hazardous Ingredient**

100% Potassium Sorbate

**Health Hazards:** Irritant; eye hazard.**SARA Hazard Class:**

<b>Acute:</b>	Yes	<b>Chronic:</b>	No
<b>Fire Hazard:</b>	No	<b>Pressure:</b>	No
<b>Reactivity:</b>	No		

**Physical Data**

**Decomposition:** from 210°C  
**Peak of Decomposition:** 270°C  
**Self ignition:** > 150° C (Screening test according VDI 2263)  
**Solubility in Water:** 582 g/l @ 20° C  
**Appearance and Color:** White to off-white pellets or granules with a characteristic pungent odor.

**Fire and Explosive Hazard Data****Extinguishing Media:** Carbon Dioxide, water spray, foam or dry chemical.**Special Fire Fighting Procedures:** Use self-contained breathing apparatus and full protective clothing.**Additional Hazards:** Emits toxic fumes under fire conditions.**Reactivity Data****Stability:** Stable.**Hazardous Polymerization:** Will not occur.**Hazardous Decomposition Products:** Thermal decomposition may generate carbon monoxide, carbon dioxide and potassium oxide.**Toxicity Information****Acute Toxicity:****Ingestion:** Oral rat LD<sub>50</sub> > 2000 mg/kg**Eye Contact:** Irritant when tested in rabbit eyes.**Skin Contact:** Non-irritant when tested on rabbit skin.**Chronic:****Carcinogenicity:** None.**Mutagenicity:** Found to be non-mutagenic in the large majority of *in vitro* test and no genotoxicity was found *in vivo*.**Exposure Limits**

**OSHA PEL** (nuisance/inert dust): 5 mg/cu m (respirable)  
15 mg/cu m (total)

**First Aid Measures****Ingestion:** If person is conscious, give water or milk to dilute stomach contents. Consult physician.**Inhalation:** Consult physician if irritation of respiratory passages occurs.**Skin Contact:** Immediately remove contaminated clothing and wash affected area. Consult physician if irritation continues.**Eye Contact:** Flush thoroughly with water for 15 minutes. Consult physician if irritation continues.**Special Protection Information****Respiratory Protection:** NIOSH approved dust mask recommended.**Ventilation:** Use local exhaust ventilation.**Protective Clothing:** Clothing suitable to avoid skin contact. Safety glasses. Rubber gloves. (Skin irritation to employees from exposure in the workplace has been observed on occasion).**Spill Procedures****Steps:** Collect into suitable container.**Waste Disposal Method:** Dispose of or incinerate in accordance with the local state and federal regulations.**Handling and Storage**

Take precautionary measures against electrostatic loading.

Keep away from sources of ignition – refrain from smoking.

Store in a cool, dry place in a tightly sealed container.

**Other Regulatory:** Meets Food Chemicals Codex specifications. TSCA inventory listed. GRAS Status (21CFR182.3640)

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