

Safety Data Sheet (SDS)

Potassium Sorbate

Issue date 10/09/2005

Reviewed on 10/12/2018

1. Identification

- **Product Identifier**
- **Name of the product:** Potassium Sorbate
- **Synonyms:** 2,4-hexadienoic acid, Potassium salt
- **CAS No:** 590-00-1

- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Ramsay Browne Chemical & Company
PO Box 6425
Moraga, CA 94570
General Number: (925) 280-1661
- **Emergency telephone number: (925) 280-1661**

2. Hazard(s) Identification

- **Potential Acute Health Effects:** Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
- **Potential Chronic Health Effects:**
- **Carcinogenic Effects:** Not available
- **Mutagenic Effects:** Not available
- **Teratogenic Effects:** Not available
- **Developmental Toxicity:** Not available
- Repeated or prolonged exposure is not known to aggravate any medical condition.

3. Composition / Information on ingredients

- **Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
- **Skin Contact:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
- **Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
- **Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
- **Serious Inhalation:** Not available.

Safety Data Sheet (SDS)

Potassium Sorbate

Issue date 10/09/2005

Reviewed on 10/12/2018

3. Composition / Information on ingredients (continued)

- **Ingestion:** Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
- **Serious Ingestion:** Not available.

4. First-aid measures

- **Flammability of the Product: May be combustible at high temperature.**
- **Auto-Ignition Temperature:** Not available
- **Flash Points:** Not available
- **Flammable Limits:** Not available
- **Products of Combustion:** These products are carbon oxides (CO, CO₂)
- **Fire Hazards in Presence of Various Substances:** Not available
- **Explosion Hazards in Presence of Various Substances:**
- **Risks of explosion of the product in presence of mechanical impact:** Not available
- **Risks of explosion of the product in presence of static discharge:** Not available
- **Fire Fighting Media and Instructions:**
- **Small Fire:** Use DRY chemical powder.
- **Large Fire:** Use water spray, fog or foam. Do not use water jet.
- **Special Remarks on Fire Hazards:** Not available
- **Special Remarks on Explosion Hazards:** Not available

5. Fire Fighting Measures

- **Flammability of the Product: May be combustible at high temperature.**
- **Auto-Ignition Temperature:** Not available
- **Flash Points:** Not available
- **Flammable Limits:** Not available
- **Products of Combustion:** These products are carbon oxides (CO, CO₂)
- **Fire Hazards in Presence of Various Substances:** Not available
- **Explosion Hazards in Presence of Various Substances:**
- **Risks of explosion of the product in presence of mechanical impact:** Not available.
- **Risks of explosion of the product in presence of static discharge:** Not available.
- **Fire Fighting Media and Instructions:**
- **Small Fire:** Use DRY chemical powder.
- **Large Fire:** Use water spray, fog or foam. Do not use water jet.
- **Special Remarks on Fire Hazards:** Not available
- **Special Remarks on Explosion Hazards:** Not available

Safety Data Sheet (SDS)

Potassium Sorbate

Issue date 10/09/2005

Reviewed on 10/12/2018

6. Accidental Release Measures

- **Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- **Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and Storage

- **Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing in case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
- **Storage:** Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8. Exposure Controls / Personal Protection – update from here

- **Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- **Personal Protection:** Splash goggles, lab coat, dust respirator (be sure to use an approved/certified respirator or equivalent), and gloves.
- **Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- **Exposure Limits:** Not available

9. Physical and Chemical Properties

- **Physical state and appearance:** Solid
- **Odor:** Not available
- **Taste:** Not available
- **Molecular Weight:** 150.22 g/mole
- **Color:** Not available
- **pH (1% soln/water):** Not available
- **Boiling Point:** Not available

Safety Data Sheet (SDS)

Potassium Sorbate

Issue date 10/09/2005

Reviewed on 10/12/2018

9. Physical and Chemical Properties (continued)

- **Melting Point:** Decomposes (270°C or 518°F)
- **Critical Temperature:** Not available
- **Specific Gravity:** 1.363 (Water = 1)
- **Vapor Pressure:** Not applicable
- **Vapor Density:** Not available
- **Volatility:** Not available
- **Odor Threshold:** Not available
- **Water/Oil Dist. Coeff:** Not available
- **Ionicity (in Water):** Not available
- **Dispersion Properties:** See solubility in water
- **Solubility:** Easily soluble in cold water

10. Stability and Reactivity

- **Stability:** The product is stable.
- **Instability Temperature:** Not available
- **Conditions of Instability:** Not available
- **Incompatibility with various substances:** Not available
- **Corrosivity:** Non-corrosive in presence of glass
- **Special Remarks on Reactivity:** Not available
- **Special Remarks on Corrosivity:** Not available
- **Polymerization:** No

11. Toxicological Information

- **Routes of Entry:** Eye contact. Inhalation. Ingestion.
- **Toxicity to Animals:** Acute oral toxicity (LD50); 3800 mg/kg, mouse
- **Chronic Effects on Humans:** Not available
- **Other Toxic Effects on Humans:** Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
- **Special Remarks on Toxicity to Animals:** Not available
- **Special Remarks on Chronic Effects on Humans:** Not available
- **Special Remarks on other Toxic Effects on Humans:** Not available

Safety Data Sheet (SDS)

Potassium Sorbate

Issue date 10/09/2005

Reviewed on 10/12/2018

12. Ecological Information

- **Ecotoxicity:** Not available
- **BOD5 and COD:** Not available
- **Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
- **Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.
- **Special Remarks on the Products of Biodegradation:** Not available

13. Disposal Considerations

- Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

- Not regulated
- This product is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. Regulatory Information

- **Federal and State Regulations: TSCA 8(b) inventory – Potassium sorbate**
- **Other Regulations: Not available**
- **Other Classifications:**
- **WHMIS (Canada): Not controlled under WHMIS (Canada)**
- **DSCL (EEC): R36/38 – Irritating to eyes and skin**

- **HMIS (U.S.A.):**
- **Health Hazard: 2**
- **Fire hazard: 1**
- **Reactivity: 0**
- **Personal Protection: E**

- **National Fire Protection Association (U.S.A.):**
- **Health: 2**
- **Flammability: 1**

Safety Data Sheet (SDS)

Potassium Sorbate

Issue date 10/09/2005

Reviewed on 10/12/2018

15. Regulatory Information (continued)

- **Reactivity:** 0
- **Protective Equipment:** Gloves, lab coat, dust respirator (be sure to use an approved/certified respirator or equivalent), splash goggles.

16. Other Information

- **References:** Not available
- **Other Special Considerations:** Not available

Disclaimer of Responsibility

This information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.