



## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. Product Identification

**Product Name:** Food Grade Potassium Sorbate

**Synonyms:** Potassium Salt of Sorbic Acid, E202

**Chemical Formula:**  $C_6H_7KO_2$

**CAS Number:** 24634-61-5

**Molecular Weight:** 150.22 g/mol

**Recommended Use:** Food preservative

**Supplier:** Basekim

### 2. Hazard Identification

Potassium Sorbate is generally considered a low-hazard material under normal handling conditions.

**Possible effects:**

- Dust may irritate the eyes.
- Prolonged contact may cause mild skin irritation.
- Dust inhalation may irritate the nose and respiratory tract.
- Ingestion of normal food-use quantities is not expected to present a significant hazard.

Avoid unnecessary dust generation and prolonged direct exposure.

### 3. Composition / Information on Ingredients

| Component         | CAS Number | Concentration  |
|-------------------|------------|----------------|
| Potassium Sorbate | 24634-61-5 | Typically ≥98% |

### 4. First Aid Measures

**Eye Contact:**

Rinse immediately with clean water for at least 15 minutes. Remove contact lenses if easy to do. Seek medical advice if irritation continues.

**Skin Contact:**

Wash affected skin thoroughly with soap and water.

**Inhalation:**

Move the affected person to fresh air. Seek medical attention if breathing discomfort continues.

**Ingestion:**

Rinse mouth with water. Drink water if necessary. Seek medical advice if large quantities are swallowed or symptoms occur.

## 5. Fire-Fighting Measures

**Suitable Extinguishing Media:**

Water spray, foam, dry chemical powder, or carbon dioxide.

**Specific Hazards:**

Combustion may produce carbon oxides and potassium-containing decomposition products.

**Protective Equipment:**

Firefighters should use suitable protective clothing and respiratory protection when necessary.

## 6. Accidental Release Measures

- Avoid generating airborne dust.
- Sweep or vacuum spilled material carefully.
- Place collected material in a suitable labeled container.
- Keep material away from drains and uncontrolled environmental release.
- Clean the affected area thoroughly.

## 7. Handling and Storage

**Handling:**

- Avoid breathing dust.
- Avoid contact with eyes.
- Maintain good industrial hygiene.
- Use clean equipment suitable for food ingredients.

**Storage:**

- Store in a cool, dry, clean, and well-ventilated area.



- Keep containers tightly closed.
- Protect from moisture, heat, and direct sunlight.
- Keep away from incompatible materials and contamination.

## 8. Exposure Controls / Personal Protection

### Respiratory Protection:

Use suitable dust protection when airborne dust is generated.

### Eye Protection:

Safety glasses or goggles are recommended during bulk handling.

### Hand Protection:

Protective gloves are recommended for prolonged handling.

### Hygiene Measures:

Wash hands after handling. Do not eat, drink, or smoke in handling areas.

## 9. Physical and Chemical Properties

| Property            | Typical Information                         |
|---------------------|---------------------------------------------|
| Appearance          | White to yellowish-white powder or granules |
| Odor                | Slight or practically odorless              |
| Molecular Formula   | $C_6H_7KO_2$                                |
| Molecular Weight    | 150.22 g/mol                                |
| Solubility in Water | Freely soluble                              |
| Functional Use      | Food preservative                           |
| pH                  | Typically alkaline in aqueous solution      |
| Physical State      | Solid                                       |

## 10. Stability and Reactivity

**Stability:** Stable under recommended storage conditions.

### Conditions to Avoid:

Excessive heat, moisture, contamination, and incompatible chemicals.

### Hazardous Decomposition Products:

Carbon oxides and potassium-containing compounds may form during thermal decomposition.



## 11. Toxicological Information

Potassium Sorbate has relatively low acute toxicity when handled correctly.

Possible exposure effects include:

- Mild eye irritation
- Mild skin irritation
- Respiratory irritation from excessive dust exposure

Use according to applicable food regulations and good manufacturing practices.

## 12. Ecological Information

Avoid uncontrolled release of large quantities into waterways or drainage systems.

No significant environmental hazard is expected under normal handling and use conditions.

## 13. Disposal Considerations

Dispose of unused material and contaminated packaging according to local environmental and waste-management regulations.

## 14. Transport Information

Potassium Sorbate is generally not classified as dangerous goods for normal transport.

**UN Number:** Not applicable

**Hazard Class:** Not regulated as dangerous goods

**Packing Group:** Not applicable

Confirm transport requirements according to destination and carrier regulations.

## 15. Regulatory Information

Food Grade Potassium Sorbate is commonly identified as **E202**.

Food manufacturers must verify permitted applications, purity standards, and maximum use levels according to the regulations applicable in the destination market.



## 16. Other Information

This MSDS provides general safety and handling information for Food Grade Potassium Sorbate. Actual product specifications and regulatory requirements may vary by manufacturer and destination market.

Users should refer to the batch-specific Certificate of Analysis and supplier documentation before use.