

# Material Safety Data Sheet (MSDS)

**Product Name:** Potassium Chloride IP Grade

**MSDS Generate Date:** 20-05-2017

**Revision Date:** 30-12-2024

## Supplier:

Rawpharma Biz Pvt Ltd

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## 1. Identification of the Substance/Preparation and Company

- **Product Name:** Potassium Chloride IP Grade
- **Synonyms:** KCl, Muriate of Potash (Pharma Grade)
- **CAS No.:** 7447-40-7
- **Molecular Formula:** KCl
- **Recommended Use:** Pharmaceutical ingredient, electrolyte replenisher, laboratory reagent

## 2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under GHS
- **Hazard Summary:**
  - Generally non-hazardous under normal handling
  - Excessive ingestion may cause gastrointestinal irritation
- **Label Elements:**
  - Signal Word: None
  - Hazard Statements: Not applicable

- Precautionary Statements: Avoid excessive ingestion and dust inhalation

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### 3. Composition / Information on Ingredients

- **Substance:** Potassium Chloride
- **Purity:** ≥ 99.0% (IP Grade)
- **CAS No.:** 7447-40-7
- **EC No.:** 231-211-8

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### 4. First Aid Measures

- **Inhalation:** Move person to fresh air. Seek medical attention if discomfort persists.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse cautiously with clean water for several minutes.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if large quantity is ingested.

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### 5. Fire Fighting Measures

- **Flammability:** Non-flammable
- **Suitable Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemical, foam
- **Hazards from Combustion:** None specific
- **Protective Equipment:** Standard fire-fighting protective equipment

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### 6. Accidental Release Measures

- Avoid generating dust
- Sweep or vacuum and place in suitable containers
- Dispose of according to local regulations

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### 7. Handling and Storage

- Handle in accordance with good pharmaceutical manufacturing practices
- Store in a cool, dry, well-ventilated area
- Keep container tightly closed and protected from moisture

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## 8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established
- **Engineering Controls:** Adequate ventilation
- **Personal Protective Equipment:**
  - Gloves
  - Safety goggles
  - Dust mask if dust is generated

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## 9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Odorless
- **Solubility:** Soluble in water
- **pH (5% solution):** 5.0 – 8.0
- **Melting Point:** ~770°C
- **Boiling Point:** ~1420°C

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## 10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition Products:** None

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## 11. Toxicological Information

- Low acute toxicity
- Large doses may cause nausea, vomiting, abdominal discomfort
- No evidence of carcinogenicity

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## 12. Ecological Information

- Not expected to be harmful to aquatic life
- No bioaccumulation potential
- Environmentally benign when used as intended

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### 13. Disposal Considerations

- Dispose of material and container in accordance with local, regional, and national regulations
- Small quantities may be disposed of as non-hazardous chemical waste

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### 14. Transport Information (Detailed)

- **UN Number:** Not applicable
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

#### Mode-wise Transport Classification:

- **Road Transport (ADR / RID):** Not regulated
- **Rail Transport:** Not regulated
- **Sea Transport (IMDG):** Not regulated
- **Air Transport (IATA):** Not regulated

#### Special Transport Precautions:

- Protect containers from moisture during transit
- Ensure packaging is intact and properly sealed
- Avoid contamination with incompatible substances

#### Environmental Hazards:

- Not classified as marine pollutant

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### 15. Regulatory Information

- Complies with Indian Pharmacopoeia (IP) specifications
- Not listed as hazardous under major international chemical regulations

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### 16. Other Information

- Intended for professional and industrial use only
- Information is believed to be accurate as of the revision date
- User is responsible for compliance with applicable laws and regulations
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** [www.rawpharmabiz.com](http://www.rawpharmabiz.com)
- MSDS are based on the manufacturer's provided information.