

**ChemicalPro — Green Vision Technical Services**

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## SAFETY DATA SHEET (GHS)

Potassium Nitrate | CAS 7757-79-1

### Section 1: Identification

|                   |                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name      | Potassium Nitrate                                                                                                                                       |
| CAS Number        | 7757-79-1                                                                                                                                               |
| Recommended Use   | Fertilizer, Food preservative (E252), Gunpowder                                                                                                         |
| Supplier          | ChemicalPro — Green Vision Technical Services, Plot No. 6, Survey No. 599/2, Airport Road, Janori, Tal: Dindori, Dist: Nashik 42206, Maharashtra, India |
| Emergency Contact | +91 75070 06931 (Mon–Sat 9:00–18:00 IST)                                                                                                                |

### Section 2: Hazard Identification

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| GHS Classification     | Oxidiser                                                                                     |
| Signal Word            | Danger                                                                                       |
| Precautionary Overview | Handle in accordance with good industrial hygiene and safety practice. See Sections 7 and 8. |

### Section 3: Composition / Information on Ingredients

|                       |                                |
|-----------------------|--------------------------------|
| Substance             | Potassium Nitrate              |
| CAS                   | 7757-79-1                      |
| Formula               | KNO <sub>3</sub>               |
| Concentration / Grade | Technical/99%/LR/AR/Food Grade |

### Section 4: First-Aid Measures

|              |                                                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical attention. |
| Skin Contact | Wash with plenty of soap and water. Remove contaminated clothing. If irritation occurs, get medical advice.                                                        |
| Inhalation   | Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, get medical attention.                                                   |
| Ingestion    | Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Get medical attention if you feel unwell.                                                |

### Section 5: Fire-Fighting Measures

Use extinguishing media appropriate to surrounding fire conditions. Firefighters should wear self-contained breathing apparatus.

### Section 6: Accidental Release Measures

Evacuate unnecessary personnel. Wear recommended PPE. Contain spillage, absorb with inert material and collect in suitable closed containers for disposal. Prevent entry to drains and watercourses.

### Section 7: Handling and Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container tightly closed.

### Section 8: Exposure Controls / Personal Protection

Safety goggles, chemical-resistant gloves and protective clothing. Use adequate ventilation; use respiratory protection if exposure limits may be exceeded.

### Section 9: Physical and Chemical Properties

|                   |                  |
|-------------------|------------------|
| Molecular Formula | KNO <sub>3</sub> |
|-------------------|------------------|

|                  |                        |
|------------------|------------------------|
| Molecular Weight | 101.10                 |
| Appearance       | Refer to TDS           |
| Density          | 2109 kg/m <sup>3</sup> |
| Boiling Point    | 400°C (d)              |
| Melting Point    | 334°C                  |
| Flash Point      | None                   |
| Solubility       | 31.6g/100ml            |

### Section 10: Stability and Reactivity

Stable under recommended storage conditions. Avoid heat and incompatible materials.

### Section 11: Toxicological Information

No data available for this grade. Handle as per Sections 7 and 8.

### Section 12: Ecological Information

No data available. Prevent release to the environment.

### Section 13: Disposal Considerations

Dispose of contents and container in accordance with local, state and national regulations through an authorised waste disposal contractor.

### Section 14: Transport Information

|                        |                                       |
|------------------------|---------------------------------------|
| UN Number              | Not regulated / not assigned          |
| Transport Hazard Class | Not regulated based on available data |

### Section 15: Regulatory Information

HSN Code (India): 2834.21. Comply with all applicable national and local regulations.

### Section 16: Other Information

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