

Rexar Technical Compound Datasheet

Product Name: Potassium Chloride
Chemical Name: Potassium chloride
CAS Number: 7447-40-7
PubChem CID: 4873

Synonyms:

- Potassium chloride
 - KCl
 - Muriate of potash
 - Sylvite
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Chemical Information

Molecular Formula: KCl
Molecular Weight: 74.55 g/mol
IUPAC Name: Potassium chloride
SMILES: [K+].[Cl-]
InChIKey: WCUXLLCKKVVCTQ-UHFFFAOYSA-M
Appearance: White crystalline powder or crystals
Density: 1.984 g/cm³
Melting Point: 770 °C
Boiling Point: 1413 °C
Solubility: 330 g/L in water (20 °C)

Applications

- Reference material for analytical chemistry workflows
 - Calibration and quality control procedures
 - Method development and validation
 - Laboratory reagent for analytical and technical applications
 - Instrument verification and educational laboratory use
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Storage & Handling

Storage Temperature: 15–25 °C
Environment: Dry, cool, and protected from moisture
Handling: Use standard laboratory safety procedures
Packaging: Delivered in sealed containers for laboratory use only

Additional Notes

- Offered exclusively as an analytical chemical for laboratory purposes
- No health, nutritional, medical, or consumer claims are associated with this product
- For detailed chemical data, visit: **PubChem CID 4873**