Potassium Chloride 98%

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
7447-40-7	231-211-8	Not applicable	KCl

Product Description

Refined potassium chloride is an inorganic potassium salt supplied as white to slightly yellowish fine crystals or powder. It dissolves readily in water and supplies potassium ions for oilfield fluids and other industrial formulations. Component specifications below are on a dry basis, except moisture.

Specifications

Parameter	Specification
Appearance	White to slightly yellowish fine crystals or powder
Potassium chloride (KCl), dry basis	≥ 98.0%
Potassium (as K2O equivalent), dry basis	≥ 62.0%
Moisture (H2O), as supplied	≤ 2.0%
Calcium + magnesium (Ca + Mg), dry basis	≤ 0.2%
Sodium chloride (NaCl), dry basis	≤ 1.2%
Water-insoluble matter, dry basis	≤ 0.1%
Sulfate (as SO4), dry basis	≤ 0.5%

Applications

- Water-based drilling fluids and potassium chloride brine preparation.
- Potassium salt manufacture, rubber processing and surface-treatment formulations.
- Magnesium electrolysis and fertilizer formulations, subject to application suitability.

Packaging and Storage

Packaging	50 kg net per bag; woven outer bag with inner plastic liner.
Storage	Keep bags tightly closed in a dry, ventilated area. Protect from moisture, bag damage and strong oxidizing agents.

Safety and Regulatory

Industrial grade; food, feed and medicinal uses require separate qualification. Minimize dust and use appropriate ventilation and protective equipment. Refer to the SDS for safety, transport and disposal guidance.

Company Contact

Hainan Zhongxin Chemical Co., Ltd.
Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China.
Tel: +86-21-54265599 | sales@zxchem.com.cn | www.zxchem.com
The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.