



## POTASSIUM CHLORIDE approx. 99% KCl technical industrial

CAS# 7447-40-7

### COMBINED NOMENCLATURE

31,042,090

### PRODUCTION

Kali + Salz GmbH - Germany

### NATURE OF PRODUCT

White crystals

### TYPICAL PROPERTIES

<b>Chemical Analysis</b>	
Potassium Chloride (KCl)	99.2%
Loss on Ignition	0.2%
Loss on Drying (2h, 105°C)	0.1%
Na	0.3%
Br	0.2%
Mg	60 mg/kg
Ca	60 mg/kg
SO <sub>4</sub>	300 mg/kg
H <sub>2</sub> O-Insolubles	100 mg/kg
Heavy metals as Pb	< 5 mg/kg
<b>Granulometry</b>	
< 0.8 mm	99%
D <sub>50</sub> [mm]	0.30
<b>Physical Properties</b>	
Bulk Density	approx. 1,100 kg/m <sup>3</sup>
Bulk Density (packed)	approx. 1,200 kg/m <sup>3</sup>
Angle of Repose	approx 31°
Molecular Weight	74.55 g/mol
Density	1.99 g/cm <sup>3</sup>
Melting/Solidification Point	776 °C
Solubility in water	w (KCl) = 25.6% at 20 °C (68 °F)

**ADDITIVE**

upon request with an anti-caking agent (the pure product is prone to caking)

**APPLICATION**

Chlor-alkali electrolysis, for the production of chlorine and potassium hydroxide as well as their subsequent products; conversion into other potassium containing salts; electroplating and fusion electrolysis of other metals; dyestuffs; salt fluxes and carburising agents; carrageen an; regeneration agent for ion exchangers; zeolites; drilling muds; synthetic rubber production; liquid fertilisers; glass industry.

**PACKAGING AND STORAGE**

Paperbags on pallets

- 25 kg bags      1 FCL = 24.000 kg
- 50 kg bags      1 FCL = 23.100 kg
- 1 t big bags     1 FCL = 20.000 kg

As the material is hygroscopic, please store in a dry warehouse.

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