

# Technical Data Sheet

LITHIUM CHLORIDE, ANHYDROUS
Formula: LiCl
Formula weight: 42.40
CAS No.: 7447-41-8
Physical-chemical properties: White crystalline powder, soluble in water; alcohol, ether, pentanone and acetone; melting point 837°C (1538.6°F), boiling point 1681°C (3057.8°F), heat of dissolution 47kcal/mol, density 2.07g/cm <sup>3</sup> .
Application: Preparation of raw materials for lithium metal. It is used as a soldering agent for aluminum, air-conditioning dehumidifier and raw material for special cement; it is used for creating special flames; and it is also used to produce electrolyte for lithium manganese battery.
Quality Standard: Q/TJTE 24-2007

Component		Lithium Chloride Anhydrous		
LiCl Content (Min%)		99.0	99.5	99.9
Impurity Content (Max%)	Na	---	0.01	0.005
	K			
	CaCl <sub>2</sub>	0.03	0.015	0.01
	Fe <sub>2</sub> O <sub>3</sub>	0.002	0.002	0.001
	SO <sub>4</sub>	0.002	0.002	0.001
	H <sub>2</sub> O	0.8	0.6	0.3
	Acid Insolubles	0.005	0.005	0.005
Packing: By woven bag with vacuum sealed plastic bag, 25kg/bag. By paper drum with vacuum sealed plastic bags, 40kg/drum.				