



Specification

Concerning Product:	
Article number	7447418AT1
Trade name / designation / denomination	Lithium Chloride, technisch, grob
CAS number	7447-41-8
Other names / synonyms	•lithium chloride;
EC number	231-212-3
Customs tariff number / CN code / TARIC	28273985
Molecular weight [g / mol]	42,39
Formula	LiCl ClLi
Warning	
Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Avoid breathing dust/fume/gas/mist/vapours/spray. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Wash with plenty of soap and water.	

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance		crystalline powder	
Colour		colorless	
Physical parameter			
Density		2.1 g/cm ³ @ 20 °C	
Loss on drying	Gravimetry	(@ 400 °C) ≤ 0,5	%
Melting range		@ 1013 hPa: ≥ 609	°C
Bulk density		~ 1000 kg/m ³	
Boiling range		≥ 1382	°C
Solubility	OECD Test Guideline 105	in H ₂ O: 569 g/L @ 20 °C	
Specific weight		~ 2,068 g/ccm	
Identity			
Assay	Titrat.	≥ 99,2	%
Elemental Impurities			
Sodium (Na)	FES/AAS	≤ 0,35	%
Particle size distribution			
Particles		90% 0,1 – 1	mm

Supplemental information:

Storage conditions: Lithium chloride is hygroscopic and must therefore be stored under exclusion of humidity (e.g. in tightly closed drums or other containers).

Packing: 50 kg polyethylene bags in clamping ring drums and 600 kg big bags. Smaller quantities have to be filled separately.

Usage: Fluxes for welding and soldering techniques; salt bath for heat-treatment by low temperature and for dip brazing; raw material for other lithium compounds; tracer for chemical products (denaturation of wine etc.); absorption and disinfection reagent (lithium chloride solution) for absorbers.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 18. Sep. 2019

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