

Formula: LiCl

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Appearance: Free-flowing white crystals.\*

\* Occasional dark particles may be visible and scattered in the product. The particles have no detectable effect on product purity and will not be cause for rejection.

Application: Molten salt chemistry and metallurgy, brazing fluxes, catalyst for organic oxidation reactions, electrolyte in dry cells used in low temperatures, and stabilizer in textile fiber spinning solutions. Solubilizer for polyamides and cellulose when used with amide solvents, chlorinating agent for steroid agents. Desiccant for drying applications, tracer in wastewater.

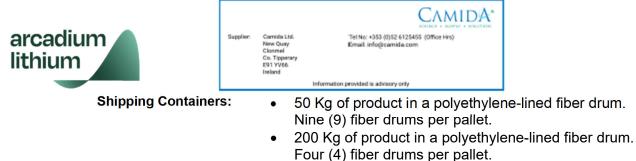
Product Specifications:	LiCl, wt. %	98.5	min
	H2O, wt. % **	0.3	max
	Alkalinity as Li <sub>2</sub> CO <sub>3</sub> , wt. %	0.03	max
	NaCl, wt. %	0.3	max
	CaCl <sub>2</sub> , wt. %	0.08	max
	Fe <sub>2</sub> O <sub>3</sub> , wt. %	0.005	max
	SO4, wt. %	0.01	max
	Acid Insolubles, wt. %	100	max

 $^{\star\star}$  Value (as weight percent loss) determined by drying @ 350°C for 45 minutes.

Physical Properties:	Molecular Weight	42.39	
	Melting Point	608°C	
	Boiling Point	1382°C	
	Specific Heat @ 25°C	0.288 cal/g/ºC	
	Standard Heat of Formation	-97.70 kcal/mole	
	Heat of Solution @ 18°C	-8.49 kcal/mole	
	Heat of Fusion	4.7 kcal/mole	
	Density @ 25°C	2.068 g/cm <sup>3</sup>	

**Solubility:** Water solubility is 45.4 wt. % @ 25°C. Moderate solubility in organic solvents.

Toxicity/Safety DataInformation on toxicity, safety, handling, storage and disposal isHandling / Storage / Disposal:contained in the Safety Data Sheet (SDS) for this product.



• 1000 Kg of product, in a lined super sack on a pallet.

Shipping Limitations: Shipments of lithium chloride require no hazardous shipping labels.

Post, Parcel, Acceptable within each carrier's weight limits Air, Water, and packaging requirements. Rail, Truck

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