

QS-PDS-2011 Revision: 02

LectroLyte[®] 600

Chemical Name Lithium Chloride, Electrochemical Grade

Formula LiCl

Appearance White powder*

Application Electrolyte salt for lithium batteries

Product Specifications	LiCl	99.3 wt% min
	H ₂ O*	0.6 wt% max
	Alkalinity (as Li ₂ CO ₃)	300 wppm max
	CaCl ₂	300 wppm max
	NaCl	150 wppm max
	Fe ₂ O ₃	20 wppm max
	SO ₄	60 wppm max
	Insolubles (in HCl)	50 wppm max

* Value (as weight loss) determined by drying at 350°C for 45 minutes.

Physical Properties	Formula weight	42.40
	True density	2.07 g/cm ³
	Melting point	608°C

Toxicity/Safety Data White granular solid or powder, odorless. This product is moderately irritating to the skin, eyes, nose and throat. Ingestion may cause drowsiness, weakness, tremors, anorexia, nausea, blurred vision, and muscle spasm.

COMPLETE INFORMATION ON TOXICITY AND SAFETY IS CONTAINED IN THE SAFETY DATA SHEET (SDS) AVAILABLE FOR THIS PRODUCT.

Handling/Storage/Disposal Avoid contact with eyes, skin or clothing. Use with adequate ventilation. Wear safety glasses or goggles and rubber gloves. Wash thoroughly after handling. Keep away from strong acids. Keep container closed.

* 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.



Shipping Containers 125 lb. sealed in a 16.5-gallon fiber drum

Shipping Limitations Shipments of lithium chloride are not classed as hazardous for transport. Shipments by post, parcel, air, water, rail, or road are acceptable within each carrier's weight limits and packaging requirements.

Lectro Battery Products Livent provides a comprehensive line of products for battery applications including additional Lectro Lyte Salts, Lectro Max Anode Materials, and lithium precursors for producing critical battery materials. Livent possesses extensive capabilities to develop and customize products and packaging to meet specific customer requirements.