

QS-PDS-2007 Revision: 04

Lectro[®] Max410

Chemical Name Lithium Aluminum Alloy Ingot, Electrochemical Grade**Formula** Li:Al**Appearance** Metallic silver in color**Application** Anode material for lithium batteries

Product Specifications	Li + Al	99.9 wt% min
	Li	99.6 wt% min
	Al	100 - 4000 wppm*
	Na	100 wppm max
	Ca	150 wppm max
	K	100 wppm max
	Fe	100 wppm max
	Si	100 wppm max
	Cl	60 wppm max
	N	300 wppm max

Standard size: 6" diameter x 20" length. Custom sizes

available. *Made to agreed upon customer specifications.

Physical Properties

	Li	4% Al / 96% Li
Density, g/cm ³	0.534	0.56
Melting Point, °C	180.5	177 - 179

Toxicity/Safety Data Flammable solid. Water reactive. Reacts violently with water to give off corrosive dust and flammable hydrogen gas. Elevated temperatures, above melting point can result in spontaneous ignition in humid air. Corrosive to eyes (may cause blindness), skin, nose, throat and stomach.*COMPLETE INFORMATION ON TOXICITY AND SAFETY IS CONTAINED IN THE SAFETY DATA SHEET (SDS) AVAILABLE FOR THIS PRODUCT.***Handling/Storage/Disposal**

Can be handled in open atmosphere at room temperature, either coated with mineral oil or where relative humidity is maintained below 50%. To maintain best quality, humidity levels of less than 2% are recommended. Wear safety glasses or goggles and dry rubber gloves. Store in original unopened shipping container. Once opened, store in argon atmosphere or mineral oil. Keep away from water, humid air, acids and oxidizing materials. Keep away from heat, sparks and flame.



Packaging Lectro Max 410 is individually dry packed under argon in hermetically sealed aluminized polyester pouches, overpacked in a steel drum.

Shipping Limitations Shipments of lithium metal are described as "Lithium, Mixture, UN 1415," PG I. All shipments are Hazard Class 4.3 and require "Dangerous When Wet" labels.

Post, Parcel	Not acceptable	
Sea	Class 4.3	(IMDG)
Road, Rail	Class 4.3.11 a	(RID/ADR)
Air	15kg max.	Cargo aircraft only

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