

QS-PDS-2006 Revision: 05

Lectro[®] Max400**Chemical Name** Lithium Ingot, Electrochemical Grade**Formula** Li**Appearance** Metallic silver in color**Application** Anode material for lithium batteries

Product Specifications	Li	99.90 wt% min
	Na	100 wppm max
	Ca	100 wppm max
	K	100 wppm max
	Fe	15 wppm max
	Si	100 wppm max
	Cl	50 wppm max
	N	300 wppm max

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

Physical Properties	Formula weight	6.94
	True density	0.534 g/cm ³
	Melting point	180.5°C

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 (180.5°C/357°F), 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.



LECTRO[®] MAX 400 ANODE MATERIAL

CAS No. 7439-93-2

Shipping Containers Lectro Max 400 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, 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

Responsible Care initiative dictates that all shipments of lithium chemicals must be transported in an approved vehicle in a responsible manner (i.e., no flat bed trucks).

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.