lithium.info@fmc.com
www.fmclithium.com
1.888.lithium

LECTRO® MAX 210 ANODE MATERIAL

CAS No. 7439-93-2

QS-PDS-2003 Revision: 00

FMC Product Code No. 557

Lectro® Max 210

Chemical Name Lithium Foil with Copper Current Collector, Electrochemical Grade

Formula Li with Cu

Appearance Metallic silver in color

Application Anode material for lithium batteries

Product Specifications

Li	99.90 wt% min
Na	100 wppm max
Ca	150 wppm max
K	100 wppm max
Fe	20 wppm max
Si	100 wppm max
Cl	60 wppm max
N	300 wppm max
Current Collector:	99.95 wt% Cu min

Custom made to dimensional requirements within FMC's extensive capabilities with current collector laminated in a single, double or triple configuration. Standard current collector is 0.003 inch thick x 0.125 inch wide.

Physical Properties

Formula weight Li	6.94
True density Li	0.534 g/cm^3
Melting point Li	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 (180.5ºC/357ºF), 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 FMC MATERIAL SAFETY DATA SHEET (MSDS) 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.

NORTH AMERICA AND HEADQUARTERS
FMC Lithium
Seven LakePointe Plaza
2801 Yorkmont Road, Suite 300
Charlotte, NC 28208
P: +1.704.426.5300
F: +1.704.426.5370

EUROPE
FMC Chemicals
Commercial Road
Bromborough
Merseyside
CH62 3NL, England
P: +44.151.482.7356
F: +44.151.482.7361

JAPAN
FMC Lithium
9F, Aoyama Building
1-2-3, Kita-Aoyama
Minato-ku, Tokyo
107-0061, Japan
T: +81.3.3402.3716
F: +81.3.3402.3700

CHINA
FMC Lithium
15F Far East International Plaza
No. 317 Xianxia Road
Shanghai 200051 P. R. China
T: +86.21.6235.1919
T: +86.21.6235.1917

INDIA
FMC India Private Limited
Embassy Star
8, Palace Road
High Grounds
Bangalore 560052, India
T: +91.80.2238.4311
F: +91.80.2238.5255

TAIWAN
FMC Lithium
9F-1, 263 Tun Hwa S. Rd.
Sec. 1
Taipei, Taiwan
T: +866.2.2705.4400
F: +866.2.2702.7460

FMC Lithium

lithium.info@fmc.com
www.fmclithium.com
1.888.lithium

LECTRO® MAX 210 ANODE MATERIAL

CAS No. 7439-93-2

FMC Product Code No. 557

Shipping Containers

Lectro Max 210 is wound onto spools then dry packed under argon in hermetically sealed aluminized polyester pouches. Spool size is dependent on the dimensions and quantity of foil ordered. Please call for more details on packaging.

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

For shipments within Europe labeling for supply requirements are:

F	Highly Flammable
C	Corrosive
R&S phrases	See Material Safety Data Sheet (MSDS)

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

FMC 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. FMC possesses extensive capabilities to develop and customize products and packaging to meet specific customer requirements. FMC is ISO 9001:2000 certified.

For more information on these products, please call, or visit our website at www.fmclithium.com. Let FMC Lithium fulfill your battery material needs.