

LectroLyte⁹⁰⁰

Chemical Name Lithium Hydroxide Monohydrate, Electrochemical Grade

Formula LiOH•H₂O

Appearance White powder

Application Electrolyte salt for lithium batteries

Product Specifications	LiOH	56.5 wt% min
	Cl	30 wppm max
	CO ₂	3500 wppm max
	CaO	300 wppm max
	Fe ₂ O ₃	30 wppm max
	NaOH	500 wppm max
	SO ₄	500 wppm max
	Insolubles	50 wppm max

Physical Properties	Formula weight	41.96
	True density @ 20°C	1.51 g/cm ³
	Melting point	470°C

Toxicity/Safety Data Corrosive. Odorless, white crystals. Corrosive to eyes (may cause blindness), skin, nose and throat. Continuous inhalation exposure may cause lung damage.

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

Handling/Storage/Disposal Do not get in eyes, on skin or clothing. Avoid breathing dust. Wash thoroughly after handling. Keep container closed. Store away from acids and water.

Air Treatment Construction Energy Fine Chemicals Glass & Ceramics Greases & Lubricants Polymers Pool Water Treatment

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Shipping Containers 220 lb. sealed in a 38 gallon polyethylene-lined fiber drum

Shipping Limitations Shipments of lithium hydroxide are described as "Lithium Hydroxide, UN 2680," PG II. All shipments are Hazard class 8 and require "Corrosive" labels.

Post	Not acceptable
Parcel, Air	Restricted quantities
Sea	Class 8 (IMDG)
Road, Rail	Class 8.41 b (RID/ADR)

For shipments within Europe labeling for supply requirements are:

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 Lyte Salts, Lectro Max Anode Materials, 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.