

LITHIUM HYDROXIDE MONOHYDRATE BATTERY GRADE

CAS No.	1310-66-3
Formula	LiOH·H₂O
Appearance	White free-flowing crystals

Specification	LiOH, wt%	56.5	Min
	CO ₂ , wt%	0.35	Max
	Na, wt%	0.008	Max
	K, wt%	0.003	Max
	Ca, wt%	0.01	Max
	Fe, wt%	0.0007	Max
	SO ₄ , wt%	0.02	Max
	Cl, wt%	0.005	Max
	Acid Insolubles wt%	0.005	Max

Material can be produced as per customers specification.

Physical Properties	Molecular weight	41.96 g/mol
	Density at 20°C	1.51 g/cm ³
	Bulk density	Approx 0,9 g/cm ³

Melting point 462 °C

Water Solubility	Temperature (°C)	g LiOH in 100 g H ₂ O
	20	21.6
	40	22.0
	60	23.1
	80	25.6
	100	29.6

Shipping Containers 25kg bags, 500kg or 1000 kg Big Bags

Shipping Limitations Shipments of lithium hydroxide are described as “Lithium Hydroxide, UN 2680.” All shipments are Hazard Class 8 and require “Corrosive” labels

Parcel, Air	Restricted quantities
Sea	Class 8 (IMDG)
Road, Rail	Class 8.41 b (RID/ADR)