



LITHIUM HYDROXIDE, TECHNICAL GRADE

CAS-No. 1310-66-3

FORMULA	LiOH·H ₂ O
APPEARANCE	White crystals
APPLICATION	Production of water-proof lubricants, as an additive to alkaline battery electrolyte, in air conditioning systems, in analytical chemistry, as basic feedstock for the production of various lithium compounds as well as for industrial purposes and for export.

SPECIFICATION

LiOH, %	56.5	min
CO ₂ , %	0.35	max
Na, %	0.03	max
K, %	0.02	max
CaO, %	0.03	max
Mg, %	0.001	max
Fe ₂ O ₃	0.0015	max
Al, %	0.01	max
Si, %	0.04	max
Cl, %	0.02	max
SO ₄ , %	0.05	max
Insol. In HCl, %	0.008	max
Magnetic subst., ppb	< 200	

PHYSICAL PROPERTIES	Molecular weight	41.96
	Density at 20°C	1.51 g/cm ³
	Melting point	462 °C

SHIPPING Shipments of Lithium hydroxide are described as "Lithium Hydroxide, UN 2680". All shipments are Hazard Class 8 and require "Corrosive" labels.

AIR	Restricted quantities
SEA	Class 8
RAIL/ROAD	Class 8.41