



Lithium Hydroxide, Monohydrate Micronized, 5 μm

CAS No. 1310-66-3

QS-PDS-2061 Revision: 03

Date of Last Revision: February 16, 2023

Formula: $\text{LiOH}\cdot\text{H}_2\text{O}$

Appearance: White, fine powder to $5\pm 1.5\ \mu\text{m}$.

Application: A free-flowing granular solid used in the production of cathode active material for lithium-ion batteries.

Product Specifications:	LiOH, wt. %	56.5	min
	CO ₂ , wt. %	0.5	max
	Ca, ppm	50	max
	Fe, ppm	10	max
	Na, ppm	50	max
	SO ₄ , ppm	150	max
	Cl, ppm	20	max
	Magnetic Impurities, ppb	100	max
	D50 (Dry), μm	3.5	min 6.5 max

Other Data:	Loose Bulk Density	0.293 g/mL
	Tapped Bulk Density	0.491 g/mL

Physical Properties:	Odor	Odorless
	pH	(1% Solution) @ 25°C: >13
	Specific Gravity	1.5 g/cc
	Molecular Weight	41.96



Water Solubility: % by wt. @ 25°C (77°F): 10

Toxicity/Safety Data Handling / Storage / Disposal: *Information on toxicity, safety, handling, storage and disposal is contained in the Safety Data Sheet (SDS) for this product.*

- Shipping Containers:**
- 250 Kg super sack double stacked on a pallet, 10 pallets per 20' container, 20 pallets per 40' container
 - 350 Kg super sack single stack on a pallet, 10 pallets per 20' container, 20 pallets per 40' container

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

Post	Not acceptable	
Parcel, Air	Restricted quantities	
Sea	Class 8	(IMDG)
Road	Class 8	(DOT/ADR)