Livent

Lithium Hydroxide, Monohydrate Micronized, 15 µm **CAS No. 1310-66-3**

QS-PDS-2063 Revision: 02 **Date of Last Revision: February 16, 2023**

Formula: $LiOH.H_2O$

Appearance: White, fine powder to 15±2 µm.

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
CO2, wt. %	0.5	max
Ca, ppm	50	max
Fe, ppm	10	max
Na, ppm	50	max
S, ppm	50	max
Zn, ppm	10	max
Cl, ppm	20	max
Magnetic Impurities, ppb	100	max
D50 (Dry), µm	13.0 min	17.0 max

Other Data:

Loose Bulk Density	0.39 g/ml
Tapped Bulk Density	0.74 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)