

Product Name: Lithium Hydroxide Monohydrate

Product Code: 4491
Specification Ref: 4491DS13
CAS: 1310-66-3
EC: 215-183-4
Formula: LiOH.H₂O
Physical: White crystals

Chemical:	Typical (wt%)	Guaranteed (wt%)
Lithium Hydroxide (LiOH)	57.3	56.5 min
Carbon Dioxide (CO ₂)	0.18	0.35 max
Chloride (Cl)	0.01	0.02 max
Sulphate (SO ₄)	0.001	0.05 max
Calcium Oxide (CaO)	0.008	0.03 max
Iron III oxide (Fe ₂ O ₃)	0.0002	0.003 max
Sodium Hydroxide (NaOH)	0.005	0.05 max
Insolubles	0.004	0.01 max
Typical bulk density g/cm ³	0.9	
Molecular Weight		41.96
Water Solubility @20°C wt % (as LiOH)		10.9

Packaging: Standard packs available: 25kg sacks on pallets. Other packs available on request.

Hazards: Lithium Hydroxide is corrosive in solid and solution. It causes burns in contact with eyes, skin or ingestion. Irritates the respiratory system, may cause coughing. On contact with eyes, flush with copious amounts of water and consult a doctor immediately. Please request the MSDS for this product.

Handling and Storage: It is recommended that lithium hydroxide is stored in a bunded area so that spillages are contained. Store away from acids, aluminium, zinc etc. Avoid generating lithium hydroxide dust or vapour. If this is unavoidable, use local exhaust ventilation.