

LITHIUM HYDROXIDE



CAS Number: 1310-65-2

Other Names: Lithium hydroxide anhydrous; Lithium hydrate

Formula: LiOH or HLiO

PRODUCT INTRODUCTION

Lithium hydroxide (LiOH) is an alkali metal hydroxide. The solution appears as a clear to water-white liquid which may have a pungent odor. It is soluble in water and slightly soluble in ethanol.

PHYSICAL AND CHEMICAL PROPERTIES

LiOH	57.13 %
Na+K	0.044 %
Fe ₂ O ₃	0.0017 %
CaO	0.012 %
SO ₄	0.02 %
Cl	0.0017 %
CO ₂	0.45 %
Insoluble (in HCl)	0.0055 %

APPLICATIONS

- Lithium hydroxide is used as a heat transfer medium and as a storage-battery electrolyte.
 - It is also used in some ceramics and some Portland cement formulations.
 - Lithium hydroxide is used to alkalize the reactor coolant in pressurized water reactors for corrosion control.
 - Lithium Ion batteries and Solar Panels also uses LiOH.
 - It is also used as grease and lubricants
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PACKAGING OPTIONS

Drums

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