

# Safety data for lithium hydroxide

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[Glossary](#) of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

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## General

Synonyms:  
Molecular formula: LiOH  
CAS No: 1310-65-2  
EC No:

## Physical data

Appearance: white crystals or pellets  
Melting point: 470 C  
Boiling point:  
Vapour density: 1.4 (air = 1)  
Vapour pressure:  
Density (g cm<sup>-3</sup>): 1.51  
Flash point:  
Explosion limits:  
Autoignition temperature:  
Water solubility: appreciable

## Stability

Stable. Incompatible with moisture. strong acids, carbon dioxide.

## Toxicology

Poison. May be fatal if swallowed. Eye contact may cause serious, irreversible damage. Corrosive - causes burns. May

cause severe eye irritation or burns. Chronic exposure may cause CNS, liver or kidney damage.

### **Toxicity data**

(The meaning of any abbreviations which appear in this section is given [here.](#))

### **Risk phrases**

(The meaning of any risk phrases which appear in this section is given [here.](#))

R20 R22 R34.

## **Transport information**

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

UN No 1759. Hazard class 8. Packing group II.

## **Personal protection**

Safety glasses, adequate ventilation.

### **Safety phrases**

(The meaning of any safety phrases which appear in this section is given [here.](#))

[Return to [Physical & Theoretical Chemistry Lab. Safety home page.](#)]

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## SALES SPECIFICATION

APPEARANCE	white crystalline powder
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LiOH	56.5% min
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Al	0.03% max
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Fe	0.001% max
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CO <sub>2</sub>	0.5% max
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K+Na	0.3% max
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Cl	0.04% max
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SO <sub>4</sub>	0.05% max
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WATER INSOLUBLES	0.1% max
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## TRANSPORTATION

PACKING	25kgs in bag
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HAZARD CLASS	8 (Packing group:II)
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