Safety data for lithium hydroxide

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.

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^{-3}): 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.)

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SALES SPECIFICATION	
APPEARANCE	white crystalline powder
LiOH	56.5% min
Al	0.03% max
Fe	0.001% max
CO_2	0.5% max
K+Na	0.3% max
Cl	0.04% max
SO_4	0.05% max
WATER INSOLUBLES	0.1% max
TRANSPORTATION	
PACKING	25kgs in bag
HAZARD CLASS	8 (Packing group:II)