

**Lithium hydroxide monohydrate, for analysis, ExpertQ®, ACS, Reag.
Ph Eur****Identification**

LiOH·H₂O
M = 41,96 g/mol
CAS [1310-66-3]
EC number: 215-183-4
Taric code: 2825 20 00

Applications

analytical chemistry, laboratory reagent, for determination of: aminoacids.

Specifications

assay (acidimetric).....	min. 98,0 %	chlorides (Cl).....	max. 0,01 %
assay of Li ₂ CO ₃	max. 2,0 %	sulfates (SO ₄).....	max. 0,05 %
insoluble in water.....	max. 0,01 %	heavy metals.....	max. 0,002 %
		iron (Fe).....	max. 0,002 %

Physical data

- Spec. Density: 1,51 g/cm³
- Bulk density: ~ 650 kg/m³
- Solub. in water: (20 °C): 124 g/l
- Melting point: 462 °C
- Boiling point: 924 °C (decomposes)
- pH(50 g/l H₂O, 50 °C) ~ 12

Safety - GHS

Signal Word: Danger

Hazard Statements:

H314: Causes severe skin burns and eye damage.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C6 II • UN 2680 • LITHIUM HYDROXIDE
- IMDG: 8 II • UN 2680 • LITHIUM HYDROXIDE
- IATA/ICAO: 8 II • UN 2680 • LITHIUM HYDROXIDE
- PAX: 814
- CAO: 816
- 10°C - 30°C