

## Identification

LiCl  
M = 42,39 g/mol  
CAS [7447-41-8]  
EC number: 231-212-3  
Taric code: 2827 39 80

## Applications

analytical chemistry, in explosive compositions, in solders, for pharmaceuticals synthesizing, laboratory reagent.

## Specifications

assay (argentometric).....	min. 98 %	copper (Cu).....	max. 0,002 %
insoluble in water.....	max. 0,05 %	heavy metals (as Pb).....	max. 0,001 %
nitrogen compounds (as N).....	max. 0,005 %	iron (Fe).....	max. 0,002 %
phosphates (as PO <sub>4</sub> ).....	max. 0,003 %	lead (Pb).....	max. 0,002 %
sulfates (SO <sub>4</sub> ).....	max. 0,05 %	nickel (Ni).....	max. 0,002 %
calcium (Ca).....	max. 0,01 %	potassium (K).....	max. 0,01 %
		sodium (Na).....	max. 0,2 %

## Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 2,07 g/cm<sup>3</sup>
- Bulk density: ~ 530 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 832 g/l
- Melting point: 614 °C
- Boiling point: 1360 °C
- Vapour pressure: (547 °C) 1,33 hPa
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 6
- Hygroscopic

## Safety - GHS

Signal Word: Warning

### Hazard Statements:

- H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.



### Precautionary Statements:

- P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see on this label).  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P332+P313: If skin irritation occurs: Get medical advice / attention.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

## Transport/storage

- 10°C - 30°C