

**PRODUCT CODE: 131392****Lithium Chloride (Reag. USP, Ph. Eur.) for analysis, ACS**

CLi
LiCl

M.= 42,39

CAS [7447-41-8]

EINECS 231-212-3

TARIC 2827 39 85 90

PHYSICAL DATA: crystalline powder, White, Soluble in water 820 g/l at 20 °C Hygroscopic • D 2,08 • M.P.: 605 °C • B.P.: 1.360 °C • pH(50 g/l)6 •

BIBLIOGRAPHY: Merck Index **12**, 5.553 13, 5.550 Sax **LHB000** • Safety **2** , **2152 D** • Römp **8** , **2386** • Kühn-Birett **L 5** • Fieser **1609 2246 4298 5677 13332 16194** • ACS **XI** •

HAZARDOUS: RTECS: OJ 5950000 • LD L0 oral man 200 mg/kg / 3d • LD L0 oral hmn 200 mg/kg / 3d • LD50 oral rat 526 mg/kg •



H: H302 • H319 • H315 •

P: P264 • P270 • P280 • P301+P312 • P302+P352 • P501 • P305+P351+P338 • P321 • P330 • P332+P313 • P337+P313 • P362 •

SPECIFICATIONS:

Minimum assay (Arg.)

99%

Maximum limit of impurities

Alkalinity

0,008 meq/g

Insoluble matter in H2O

0,01 %

Loss on drying at 105°C

1,0 %

Nitrogen compounds (as N)	0,005 %
Phosphate (PO4)	0,003 %
Sulfate (SO4)	0,01 %
Solubility at 6 % in N,N-Dimethylacetamide 363145	passes test
Heavy metals (as Pb)	0,002 %

Metals by ICP [in mg/Kg (ppm)]

Ba	30
Ca	50
Fe	10
K	50
Na	2000
Cu	20
Ni	20
Pb	20

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