TECHNICAL DATA SHEET

Date of Issue: 2017/12/08

Lithium Chloride, low sodium

CAS-No. 7447-41-8

EC-No. 231-212-3

REACH No. 01-2119560574-35

Molecular Formula CILi

Product Number 401178

APPLICATION battery application, chemical synthesis, catalyst for toners, photographic developer

solutions etc.

SPECIFICATION

LiCI	min. 99.4 %
H2O (400 °C)	max. 0.60 %
Na	max. 0.0050 %
K	max. 0.0015 %
Ca	max. 0.0100 %
Ва	max. 0.0100 %
Fe	max. 0.0015 %
heavy metal as Pb	max. 0.0015 %
SO4	max. 0.0100 %
insolubles HCl	max. 0.005 %

METHOD OF ANALYSIS

LiCl	argentom. titrating apparatus
H2O (400°C)	gravimetrically
Na	FES / AAS

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K	FES / AAS
Ca	ICP-Method
Ва	ICP-Method
Fe	ICP-Method
heavy metal as Pb	ICP-Method
SO4	IC
insolubles HCl	gravimetrically
total alkalinity as Li2CO3	gravimetrically

PHYSICAL PROPERTIES

Appearance crystalline powder

Color colorless

Melting point/ range 609 °C at 1,013 hPa

Initial boiling point and

boiling range

1,382 °C

Density 2.1 g/cm3 at 20 °C

Bulk density ca. 1,000 kg/m3

Water solubility 569 g/L at 20 °C Method: OECD Test Guideline 105

Molecular weight 42.39 g/mol

HANDLING & STORAGE

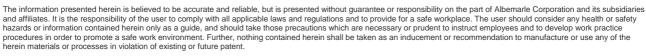
Storage Lithium Chloride is very hygroscopic and must therefore be stored under exclusion

of humidity (e.g. in tightly closed drums or other containers).

TRANSPORT & PACKAGING

ADR

Not regulated as a dangerous good





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Hazard pictograms



Signal Word Warning

H&P Phrases See Safety Data Sheet

Labelling The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary

in other countries. Please refer to the respective Safety Data Sheet for your country.

Packaging

50 and 100 kg polyethylene bags in clamping ring drums and 600 kg big bags. Special packing on request, e.g. 10 kg aluthene bags.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

