

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	CLi
Product Number	401178

APPLICATION battery application, chemical synthesis, catalyst for toners, photographic developer solutions etc.

SPECIFICATION

LiCl min. 99.4 %

METHOD OF ANALYSIS

LiCl	argentom. titrating apparatus
H ₂ O (400°C)	gravimetrically
Na	FES / AAS

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.



K	FES / AAS
Ca	ICP-Method
Ba	ICP-Method
Fe	ICP-Method
heavy metal as Pb	ICP-Method
SO4	IC
insolubles HCl	gravimetrically
total alkalinity as Li ₂ CO ₃	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/cm ³ at 20 °C
Bulk density	ca. 1,000 kg/m ³
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).
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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
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