

TECHNICAL DATA SHEET

Date of Issue: 2017/12/08

Lithium Acetate, pure grade

CAS-No.	546-89-4
EC-No.	208-914-3
Molecular Formula	CH ₃ COOLi
Product Number	401164

APPLICATION Raw material for pharmaceuticals, polymerization catalyst, preparation of antistatic fibers, stabilization of polyvinyl chloride.

SPECIFICATION

CH ₃ COOLi	min. 99.0 %
Na	max. 0.01 %
K	max. 0.005 %
Mg	max. 0.001 %
Ca	max. 0.02 %
Fe	max. 0.001 %
HM *)	max. 0.002 %
Cl	max. 0.02 %
SO ₄	max. 0.02 %
H ₂ O (Karl Fischer)	max. 0.3 %
pH (5%, 20°C)	max. 8,0 - 10,5

*) HM = heavy metals as Pb.

PHYSICAL PROPERTIES

Appearance	powder crystalline
Color	white

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.



Melting point/ range	280 - 285 °C
Flash point	(Not applicable)
Decomposition temperature	> 300 °C
Density	1.25 g/cm ³ at 20 °C
Bulk density	600 kg/m ³
Water solubility	938 g/L at 50 °C 667 g/L at 40 °C 408 g/L at 20 °C
Molecular weight	65.99 g/mol
Additional Physical Properties	Theoretical lithium content: 10.52 % Specific gravity: 1.25 g/ccm

HANDLING & STORAGE

Handling	No special precautions are necessary when handling the material.
Storage	Please store in tightly closed original containers under exclusion of humidity.

TRANSPORT & PACKAGING

ADR
Not regulated as a dangerous good

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.

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Packaging

Polyethylene bags of 50 kg in fiber drums.

OTHER INFORMATION

Further Related Documents Safety Data Sheet

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