

TECHNICAL DATA SHEET

Date of Issue: 2025/01/30

Lithium Acetate, technical grade

CAS-No.	546-89-4
EC-No.	208-914-3
REACH No.	01-2120751991-47-0001
Molecular formula	CH ₃ COOLi
Product number	10001369, 10001370

APPLICATION

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

SPECIFICATION

CH ₃ COOLi	min. 99.0 %
Na	max. 0.1 %
K	max. 0.05 %
Ca	max. 0.05 %
Fe	max. 0.002 %
Heavy Metals (as Pb)	max. 0.004 %
Cl	max. 0.05 %
SO ₄	max. 0.05 %
H ₂ O	max. 0.5 %

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.com.

Please contact us at www.albemarle.com/contact with questions.



PHYSICAL PROPERTIES

Appearance	Crystalline powder
Color	white
Melting point/range	280 - 287 °C (Information taken from reference works and the literature.)
Flash point	(Not applicable)
Boiling point/boiling range	(Decomposes below the boiling point.)
Decomposition temperature	ca. 380 °C at 1,013 hPa Method: OECD Test Guideline 103
Density	1.3 g/cm ³ at 20 °C (Information taken from reference works and the literature.)
Bulk density	600 kg/m ³
Water solubility	408 g/l at 20 °C (Information taken from reference works and the literature.) 667 g/l at 40 °C (Information taken from reference works and the literature.) 938 g/l at 50 °C (Information taken from reference works and the literature.)
Molecular weight	65.99 g/mol

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

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.

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

Fiber drums with 50 kg net.

OTHER INFORMATION

Further Related Safety Data Sheet
Documents

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.