

TECHNICAL DATA SHEET

Date of Issue: 2025/01/30

Lithium Acetate, pure grade

CAS-No.	546-89-4
EC-No.	208-914-3
REACH No.	01-2120751991-47-0001
Molecular formula	CH ₃ COOLi
Product number	10000045, 10001384

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 %
Heavy Metals (as Pb)	max. 0.002 %
Cl	max. 0.02 %
SO ₄	max. 0.02 %
H ₂ O	max. 0.3 %

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pH (5%, 20°C) max. 8,0 - 10,5

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
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.

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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.

Packaging

Polyethylene bags of 50 kg in fiber drums.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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