TECHNICAL DATA SHEET

Date of Issue: 2024/10/14

Lithium Acetate, technical grade

CAS-No.	546-89-4
EC-No.	208-914-3
REACH No.	01-2120751991-47-0001
Molecular formula	C2-H4-O2 .Li
Product number	401133

APPLICATION

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

SPECIFICATION

CH3COOLi	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 %
SO4	max. 0.05 %
H2O	max. 0.5 %

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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/cm3 at 20 °C (Information taken from reference works and the literature.)
Bulk density	600 kg/m3
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

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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

Fiber drums with 50 kg net.

OTHER INFORMATION

Further Related Documents	Safety Data Sheet

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