TECHNICAL DATA SHEET

Date of Issue: 2025/01/30

Lithium Citrate Tetrahydrate, milled

CAS-No.	6080-58-6
EC-No.	612-032-8
REACH No.	01-2120757141-62-0000
Molecular formula	C6H5Li3O7 x 4 H2O
Product number	10001377, 10001378

APPLICATION

Raw material for pharmaceuticals and building material industry.

SPECIFICATION

assay (dry substance)	min. 98 %
H2O	24 - 28 %

Additional values on request.

PHYSICAL PROPERTIES

Appearance	powder
Color	colorless
Melting point/range	333 °C at 1,013 hPa Method: OECD Test Guideline 102
Flash point	(Not applicable)
Density	1.64 g/cm3 at 20 °C (1,013 hPa) Method: OECD Test Guideline 109

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Bulk density	800 - 900 kg/m3
Water solubility	470 g/l at 25 °C Method: OECD Test Guideline 105
Molecular weight	281.98 g/mol
Additional Physical Properties	Theoretical lithium content: 7.38 % Transition range: 100 – 150 °C (due to dehydration)

HANDLING & STORAGE

Handling	If moisture is excluded, lithium citrate has unlimited shelf life. No special precautions are necessary when handling the material.

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.

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OTHER INFORMATION

Further Related Documents	Safety Data Sheet

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