

TECHNICAL DATA SHEET

Date of Issue: 2017/12/19

Lithium Citrate Tetrahydrate, milled

CAS-No.	6080-58-6
EC-No.	213-045-8
Molecular Formula	$C_6H_5Li_3O_7 \cdot 4 H_2O$
Product Number	401147

APPLICATION Raw material for pharmaceuticals and building material industry.

SPECIFICATION

assay (dry substance)	min. 98 %
H ₂ O	24 - 28 %

Additional values on request.

PHYSICAL PROPERTIES

Appearance	powder
Color	colorless
Melting point/ range	112 °C (Decomposes on heating.)
Viscosity, dynamic	(Not applicable)
Flash point	(Not applicable)
Bulk density	800 - 900 kg/m ³
Water solubility	745 g/L at 25 °C
Molecular weight	281.98 g/mol
Additional Physical Properties	Theoretical lithium content: 7.38 % Transition range: 100 – 150 °C (due to dehydration)

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.



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.

OTHER INFORMATION

Further Related Documents Safety Data Sheet

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