

TECHNICAL DATA SHEET

Date of Issue: 2017/12/19

Lithium Citrate, Tetrahydrate

| | |
|-------------------|------------------------------|
| CAS-No. | 6080-58-6 |
| EC-No. | 213-045-8 |
| Molecular Formula | $C_6H_5Li_3O_7 \cdot 4 H_2O$ |
| Product Number | 401135 |

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) |

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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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