

TECHNICAL DATA SHEET

Date of Issue: 2018/02/15

Lithium Sulfate, pure, anhydrous, min. 99.0 %

CAS-No.	10377-48-7
EC-No.	233-820-4
REACH No.	01-2119968668-14
Molecular Formula	Li ₂ O ₄ S
Product Number	401115

APPLICATION

Additive for manufacturing special glass mixtures. Used for marking of chemical products. Additive in the building material industry.

SPECIFICATION

Li ₂ SO ₄	min. 99.0 %	typ. 99.1 %
H ₂ O (105 °C)	max. 0.4 %	typ. 0.2 %
Na	max. 0.1 %	typ. 0.06 %
K	max. 0.05 %	typ. 0.02 %
Fe	max. 0.002 %	typ. 0.0007 %
Mg	max. 0.01 %	typ. 0.004 %
Heavy metals (as Pb)	max. 0.004 %	typ. < 0.002 %

PHYSICAL PROPERTIES

Appearance	crystalline
Color	colorless to white
Melting point/ range	860 °C
Density	2.2 g/cm ³ at 20 °C
Bulk density	ca. 800 kg/m ³
Water solubility	342 g/L at 25 °C

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.



Molecular weight 109.94 g/mol

HANDLING & STORAGE

Handling No special precautions necessary.

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

50 kg polyethylene bags in fibre drums.

OTHER INFORMATION

Further Related Documents Safety Data Sheet

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