

TECHNICAL DATA SHEET

Date of Issue: 2025/01/30

Lithium Sulfate, pure, anhydrous, min. 99.0 %

CAS-No.	10377-48-7
EC-No.	233-820-4
REACH No.	01-2119968668-14-0000
Molecular formula	Li ₂ SO ₄
Product number	10001361, 10001362

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 (200 °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 %

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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
Molecular weight	109.94 g/mol

HANDLING & STORAGE

Handling	No special precautions necessary.
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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.

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Packaging

50 kg polyethylene bags in fibre drums.

OTHER INFORMATION

Further Related Documents Safety Data Sheet

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