TECHNICAL DATA SHEET

Date of Issue: 2025/01/30

Lithium Sulfate, technical grade, min. 99.0 %

CAS-No.	10377-48-7
EC-No.	233-820-4
REACH No.	01-2119968668-14-0000
Molecular formula	Li2SO4
Product number	10000035, 10000036

APPLICATION

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

SPECIFICATION

Li2SO4	min 99.0 %
H2O (200 °C)	max. 0.4 %
Na	max. 0.1 %
K	max. 0.05 %
Fe	max. 0.002 %
Mg	max. 0.01 %
Heavy metals (as Pb)	max. 0.004 %

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.

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PHYSICAL PROPERTIES

Appearance	crystalline
Color	colorless to white
Melting point/range	860 °C
Density	2.2 g/cm3 at 20 °C
Bulk density	ca. 800 kg/m3
Water solubility	342 g/l at 25 °C
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.

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Packaging

50 kg polyethylene bags in fibre drums.

OTHER INFORMATION

Further Related Documents	Safety Data Sheet

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