

TECHNICAL DATA SHEET

Date of Issue: 2024/10/07

Lithium Bromide

CAS-No.	7550-35-8
EC-No.	231-439-8
REACH No.	01-2119970708-24-0001 01-2119970708-24-0002
Molecular formula	Br-Li
Product number	401101

APPLICATION

Manufacture of pharmaceuticals. Swelling agent for proteins. Auxiliary product for the alkylation of weak amines. Lithium bromide is also available as a 53% - 55% aqueous solution.

SPECIFICATION

LiBr	min. 99.5%
Na	max. 0.03%
K	max. 0.03 %
Ca	max. 0.005 %
Mg	max. 0.002 %
Fe	max. 0.001 %
Cu	max. 0.0003 %
SO4	max. 0.01 %
CO3	max. 0.03 %
Cl	max. 0.15 %

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.

H ₂ O (400 °C)	max. 0.3 %
Insolubles in water	max. 0.005%
pH-value	6 - 12

PHYSICAL PROPERTIES

Appearance	crystalline
Color	colorless
Melting point/range	547 °C
Viscosity, dynamic	(No data available)
Viscosity, kinematic	(No data available)
Flash point	(No data available)
Boiling point/boiling range	1,265 °C
Density	3.46 g/cm ³ at 20 °C
Bulk density	1,800 kg/m ³
Water solubility	1,490 g/l at 20 °C 1,910 g/l at 50 °C 2,320 g/l at 100 °C
Molecular weight	86.85 g/mol

HANDLING & STORAGE

Handling	Avoid contact with skin. Causes irritation. In case of contamination rinse with water.
Storage	Lithium bromide is very hygroscopic and should therefore be stored under exclusion of humidity.

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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.

Packaging

2 x 25 kg PE bags in drum with PE liner.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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