

TECHNICAL DATA SHEET

Date of Issue: 2025/02/18

Lithium Bromide

CAS-No.	7550-35-8
EC-No.	231-439-8
REACH No.	01-2119970708-24-0001 01-2119970708-24-0002
Molecular formula	LiBr
Product number	10001335, 10001336

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 %

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H2O (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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