

## TECHNICAL DATA SHEET

Date of Issue: 2025/02/18

# Lithium Bromide, typ. 54 % solution in water (without inhibitor)

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	10000049, 10000051, 10000052

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**APPLICATION** Operating medium for air-conditioning and air or gas-drying equipment.

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## SPECIFICATION

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LiBr	53.0 - 55.0 %
Ca	max. 0.006 %
Mg	max. 0.003 %
SO4 (calculated)	max. 0.036 %
Alkalinity (as LiOH)	0.097 - 0.123 N

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Additional values on request.

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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	liquid
Color	colorless
Viscosity, dynamic	5.62 mPa.s at 20 °C
Flash point	(Not applicable)
Boiling point/boiling range	ca. 100 °C
Density	1.6 g/cm <sup>3</sup> at 20 °C
Water solubility	(completely miscible)
Molecular weight	86.85 g/mol

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## HANDLING & STORAGE

Handling	Avoid prolonged contact with skin as concentrated salt solutions may cause irritations. After contact with skin, rinse immediately with plenty of water.
Storage	The material can be stored in rustproof containers without taking special precautions.

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## TRANSPORT & PACKAGING

### ADR

Not regulated as a dangerous good

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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

15 gallon (abt. 57L or 100lb dry wt.)  
30 gallon (abt. 114L or 220lb dry wt.)

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**OTHER INFORMATION**

Further Related Documents	Safety Data Sheet
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