## TECHNICAL DATA SHEET

Date of Issue: 2017/09/12

# Lithium Bromide

CAS-No. 7550-35-8

EC-No. 231-439-8

REACH No. 01-2119970708-24

Molecular Formula LiBr

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 52 - 55 %

aqueous solution (Product No. 401200)

#### **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 %	
CI	max. 0.15 %	
H2O (400 °C)	max. 0.3 %	
Insolubles in water	max. 0.005%	
pH-value	6 - 12	

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#### PHYSICAL PROPERTIES

Appearance crystalline

Color colorless

Melting point/ range 547 °C

Boiling point/boiling

range

1,265 °C

Density 3.46 g/cm3 at 20 °C

Bulk density ca. 1,800 kg/m3

Water solubility 1,110 g/L at -20 °C

1,300 g/L at 0 °C

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.

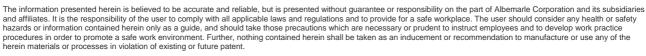
Storage Lithium bromide is very hygroscopic and should therefore be stored under exclusion

of humidity.

## 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

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

#### OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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