

TECHNICAL DATA SHEET

Date of Issue: 2018/06/20

Lithium Bromide anhydrous (Origin US)

| | |
|-------------------|------------------|
| CAS-No. | 7550-35-8 |
| EC-No. | 231-439-8 |
| REACH No. | 01-2119970708-24 |
| Molecular Formula | LiBr |
| Product Number | 401201 |

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. 0.001 % |
| Ba | max. 0.002 % |
| Fe | max. 0.001 % |
| Cu | max. 0.0003 % |
| SO4 | max. 0.01 % |
| Cl | max. 0.15 % |
| H2O (400 °C) | max. 0.3 % |
| Insolubles in water | max. 0.005% |
| pH (4% solution) | 8.5 - 9.5 |
| Alkalinity as Li2CO3 | max. 0.04 % |

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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/cm ³ at 20 °C |
| Bulk density | ca. 1,800 kg/m ³ |
| 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

50 kg PE bag in steel drum.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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