

Lithium Bromide (LiBr)

Anhydrous Powder

PRODUCT

Formula LiBr

CAS: 7550-35-8

PRODUCT DESCRIPTION

Lithium Bromide Anhydrous Powder, finds uses as intermediates in brine treatments and processing. It is used as a swelling agent for proteins and as a humectant and fungicide in medicinal applications. It also finds application as an electrolyte component in lithium batteries. In organic synthesis LBR is used as a catalyst and de-hydro halogenating agent and in O-demethylation reactions.

APPLICATIONS

A 50–60% aqueous solution of lithium bromide is used in air-conditioning systems as desiccant. It is also used in absorption chilling along with water (see absorption refrigerator). Solid LiBr is a useful reagent in organic synthesis. It is included into oxidation and hydroformylation catalysts.

PRODUCT SPECIFICATIONS

Parameters (units)	Typical Specifications
Appearance	Approx. 30
Molecular weight:	Approx. 1.20
LiBr (min.) (wt. %)	98.00
Salts of Sulphates & Chlorides (wt. %)	<1.0
Loss on Drying (wt. %)	1.00 (when packed)
Bulk Density (kg/m3)	680-720
pH	8.0-8.5

ORDERS and TECHNICAL SUPPORT

Lithium Salts of America
is Division of ASG Chemie

p: (352) 358-5826
e: info@lithiumsalts.com

PACKING

25/50 kg. poly lined HDPE Bags/Drums

STORAGE

Very hygroscopic so should be stored under exclusion of humidity. Avoid contact with skin, eyes and clothing. Use in a well-ventilated area. Wear safety glasses and protective gloves. Wash thoroughly after handling. Keep containers away from strong acids. Keep containers closed when not in use.

TOXICITY/SAFETY DATA

Corrosive. Odorless, white powder/crystals. Corrosive to eyes (may cause blindness), skin, nose and throat. Ensure to use PPG during transport/handling and usage.

SAFETY

Please consult the material safety data sheet (MSDS) for safety and handling precautions.

LIMITED WARRANTY INFORMATION.

PLEASE READ CAREFULLY.

Lithium Salts of America (a Division of ASG Chemical Holdings, LLC. ASG CHEMIE) believes the information in this document to be accurate as at the date of preparation noted below, but, to the maximum extent permitted by law, Lithium Salts of America accepts no responsibility for any loss or damage caused by any person acting or refraining from action because of this information. The provision of this information should not be construed by anyone as a recommendation to use this product. No one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation. Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.

For more information or answers to questions about the use in specific applications, contact your Technical Sales Representative or call Toll Free 1.833.LITHUSA (1-833-548-4872).

Visit our website at www.lithiumsalts.com