

LectroLyte⁵⁰⁰

Chemical Name Lithium Bromide, Electrochemical Grade

Formula LiBr

Appearance White powder

Application Electrolyte salt for lithium batteries

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|-------------------------------|--------------------------------------------------|---------------|
| Product Specifications | LiBr | 99 wt% min |
| | H ₂ O* | 0.9 wt% max |
| | Alkalinity (as Li ₂ CO ₃) | 400 wppm max |
| | Ca | 100 wppm max |
| | Cl | 1500 wppm max |
| | Fe | 20 wppm max |
| | Mg | 10 wppm max |
| | SO ₄ | 200 wppm max |
| | Insolubles | 100 wppm max |

* Value (as weight loss) determined by drying at 350°C for 2 hours.

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| Physical Properties | Formula weight | 86.84 |
| | True density | 3.46 g/cm ³ |
| | Melting point | 550°C |

Toxicity/Safety Data Odorless, white granular solid. This product is irritating to eyes, nose, throat, skin and mucous membranes.

COMPLETE INFORMATION ON TOXICITY AND SAFETY IS CONTAINED IN THE FMC MATERIAL SAFETY DATA SHEET (MSDS) AVAILABLE FOR THIS PRODUCT.

Handling/Storage/Disposal Avoid contact with eyes, skin or clothing. Use with adequate ventilation. Wear safety glasses or goggles and rubber gloves. Wash thoroughly after handling. Keep away from strong acids. Keep container closed.

Air Treatment Construction Energy Fine Chemicals Glass & Ceramics Greases & Lubricants Polymers Pool Water Treatment

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LECTRO[®] LYTE 500 SALT

CAS No. 7550-35-8

FMC Product Code No. 671-01-115

Shipping Containers 110 lb. sealed in a 30-gallon steel drum

Shipping Limitations Shipments of lithium bromide are not classed as hazardous for transport. Shipments by post, parcel, air, water, rail, or road are acceptable within each carrier's weight limits and packaging requirements.

For shipments within Europe labeling for supply requirements are:

| | |
|-------------|---------------------------------------|
| Xn | Harmful |
| R&S phrases | See Material Safety Data Sheet (MSDS) |

Responsible Care[®] initiative dictates that all shipments of lithium chemicals must be transported in an approved vehicle in a responsible manner (i.e., no flat bed trucks).

Lectro Battery Products FMC provides a comprehensive line of products for battery applications including additional Lectro Lyte Salts, Lectro Max Anode Materials, and lithium precursors for producing critical battery materials. FMC possesses extensive capabilities to develop and customize products and packaging to meet specific customer requirements. FMC is ISO 9001:2000 certified.

For more information on these products, please call, or visit our website at www.fmclithium.com. Let FMC Lithium fulfill your battery material needs.