



FMC Corporation Lithium Division 449 North Cox Road
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FMC Product Bulletin

LITHIUM BROMIDE SOLUTION DISPOSAL

Lithium bromide is sold to the air conditioning industry as a 54% water solution. Used or surplus solutions occur when air conditioning units are serviced or dismantled and may differ from new solution due to dilution, corrosion, contamination, or some other reason. What can be done with old solutions that are no longer needed will depend on their composition, including the types of corrosion inhibitors that were used with them. As a general rule, Lithium Division does not accept return of used lithium bromide solution.

The discharge of any chemical is subject to local and/or NPDES permit requirements. In addition, lithium bromide solutions are often inhibited with lithium chromate to give a chromium concentration of about 1000 mg/L. If the solution waste is tested by the EP toxicity test method (40 CFR 261.24) it would be expected that the chromium concentration would be above the 5 mg/L limit which would classify the waste as hazardous under the Resource Conservation and Recovery Act.

In the past, companies that have indicated a willingness to consider disposing of lithium bromide are:

Chemical Waste Management, Inc.
3001 Butterfield Road
Oak Brook, IL 60521
Tel: 800/843-3604
Tel: 708/218-1500

E. I. DuPont de Nemours & Co., Inc.
Waste Acceptance - R1
Rt. 130
Deepwater, NJ 08023
Tel: 800/626-1717

Laidlaw Environmental Services, Inc.
220 Outlet Pointe Blvd. (29210)
P. O. Box 210799 (29221)
Columbia, SC
Tel: 800/356-8570 Fax: 803/551-4348

A+D Environmental
(336) 434-7750

Eric MEMANUS

Teris (formerly Emco)
704-547-1847
Joe AlopAtkiewicz

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