

ADVAGuardTM590 Corrosion Inhibitor

Application Lithium molybdate solution (30 wt%) corrosion inhibitor, in lithium bromide solution and lithium chloride.

Appearance Colorless solution

Product Specifications

Typical

Guaranteed

Li ₂ MoO ₄ , wt%	30	28 - 32
Alkalinity (as LiOH), N	0.04	0.03 – 0.05
Cl, wt%	<0.001	0.15 max
Ca, wppm	1	2 max
Suspended matter, wt%	0.002	0.01 max
SO ₄ , wt%	0.02	0.04 max

Other Data	Li ₂ MoO ₄ content	3.22 lb/gal (30 wt%)
	Solution density 30 wt%	10.76 lb/gal
	Specific gravity	1.28 – 1.30

Toxicity/Safety Data Odorless, clear liquid. Exposure to large amounts of molybdenum may irritate the upper respiratory tract and damage the liver, spleen and kidneys. Additional information on toxicity and safety is contained in the Material Safety Data Sheet (MSDS) available for this product.

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

Dispose of waste according to local and Federal laws and regulations.

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

MARKETS SERVED	NORTH AMERICA AND HEADQUARTERS FMC Lithium Seven LakePointe Plaza 2801 Yorkmont Road, Suite 300 Charlotte, NC 28208 P: +1.704.868.5300 F: +1.704.868.5370	EUROPE FMC Chemicals Commercial Road Bromborough Merseyside CH62 3NL, England P: +44.151.482.7356 F: +44.151.482.7361	JAPAN FMC Lithium 9F, Aoyama Building 1-2-3, Kita-Aoyama Minato-ku, Tokyo 107-0061, Japan T: +81.3.3402.3716 F: +81.3.3402.3700	CHINA FMC Lithium 15F Far East International Plaza No. 317 Xianxia Road Shanghai 200051 P. R. China T: +86.21.6235.1919 F: +86.21.6235.1917	INDIA FMC India Private Limited 17/2 Palace Road High Grounds Bangalore 560052, India T: +91.80.2238.4311 F: +91.80.2238.5255	TAIWAN FMC Lithium 9F-1, 263 Tun Hwa S. Rd. Sec. 1 Taipei, Taiwan T: +866.2.2705.4400 F: +866.2.2702.7460
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Shipping Containers 322 pounds (146 kg) of solution in 30-gallon (114 L) plastic cubes OR 43 pounds (19.5 kg) of solution in 4 ea 1 gallon (3.8 L) polyethylene bottles in a case OR 5.38 pounds (2.44 kg) solution in 4 ea 1 pint (473 mL) polyethylene bottles in a case.

Shipping Limitations Shipments of lithium molybdate solution require no hazardous shipping labels. Shipments by post, parcel, air, water, rail, or truck are acceptable within each carrier's weight limits and packaging requirements.

Contact transportation specialist for details.

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).