

BONDERITE L-GP M 206 ACHESON MOS2 DISPERSION (KNOWN AS MOLYDAG 206)

Issued 7/18/2013

Description:

BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) is a lubricant additive designed to provide extreme pressure and anti-wear properties to water-based lubricant systems. It can be applied by several methods to form tightly adherent films on metal surfaces once it has been diluted with water to achieve the desired solids content.

Consisting of specially refined molybdenum disulfide in water, BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) exhibits excellent resistance to settling. It does not promote highly acidic properties normally associated with conventional slurries of MoS₂ powder and water.

Typical Applications:

Mold Coating	Wire Drawing Lubricant
Stop-off Coating	Gasket Coating
Forging Lubricant	High Temperature Lubricants

**Physical Properties:
(as supplied)**

Lubricating solid:	molybdenum disulfide
Carrier:	water
Flash point:	none
Diluent:	water
Solids content:	35%
Viscosity:	20-120 cPs @ 25°C
Density:	11 lb/gal (1.32 kg/l)
Color:	gray-green
pH:	6.5-9.0
Freezing point:	32°F (0°C)
Coverage:	minimum 700 sq ft/gal @ 2% solids
Shelf life:	12 months from date of shipment under original seal

Method of Use:**Dilution**

BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) should be diluted with water before using. Dilution ratios will vary according to the particular use and method of application. In general, the most economical mixture which continues to give satisfactory performance should be employed. Ratios as lean as 1:20 (1 part BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) to 20 parts water) can be expected to be effective in many operations.

Deionized, demineralized, or distilled water is the preferred diluent and will ensure the most stable mixtures. The concentrate should be stirred thoroughly prior to mixing. Water may then be added slowly while constant agitation is provided.

Mixtures of BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) and water will satisfactorily coat clean metal surfaces up to 500°-700°F (260°-371°C); the addition of 3% "Triton X-100"* to the total mixture will facilitate wetting. In the 700°-1000°F (371°-538°C) range, 3% "Ucon Lubricant 75-H-1400"*** is helpful.

*Triton X-100 is a registered trademark of Dow Chemical Company

**Ucon is a registered trademark of Dow Chemical Company



BONDERITE L-GP M 206 ACHESON MOS2 DISPERSION (KNOWN AS MOLYDAG 206)

Application

Mixtures of BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) may be applied by spray, brush, dip, or swab, whichever is most convenient. Spray application generally produces the most satisfactory coating, however, and should be used whenever possible. Occasional agitation of diluted mixtures should be provided during use, particularly after standing overnight.

Precautions:

BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) should not be permitted to freeze as it will take on a granular appearance and settle rapidly. Container covers should be replaced tightly when not in use to prevent caking and subsequent contamination. (See Acheson Material Safety Data Sheet for current safety and first aid instructions.)

Container Sizes:

<u>Weight in Container***</u>	<u>Size</u>
10 pounds (4.5 kg)	1 gallon (3.7 liter)
54 pounds (24.5 kg)	5 gallon (18.9 liter)
550 pounds (249.5 kg)	55 gallon (208 liter)

***BONDERITE L-GP M 206 ACHESON (known as MOLYDAG 206) is sold on a per-pound basis. When ordering, please refer to this column.

Henkel Corporation | 32100 Stephenson Highway | Madison Heights, MI 48071
PHONE: (248) 583-9300 | FAX: (248) 583-2976 | www.henkelna.com/

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

