

# BONDERITE L-FG ADAG C GRAPHITE DISPERSION

Issued: 08/31/2016



# **Product Description**

Bonderite L-FG ADAG C is an aqueous-based colloidal dispersion. It contains ultra-fine graphite particles along with a unique stabilizer and binder system. These properties produce excellent lubricity and release, faster wetting, and higher dilution ratios. It remains stable at service temperatures of 600°F and intermittent temperatures as high as 2200°F.

## **Applications**

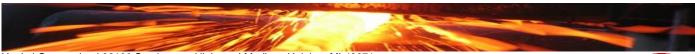
Bonderite L-FG ADAG C is suitable for a wide variety of applications such as; chain / thread lubricant, assembly lubricant, parting compound, general industrial lubricant, glass coating, impregnate coating, and electrical conductive coating.

### **Benefits**

- Excellent dispersion stability resulting in little or no settling in the concentrate
- Ultra-fine graphite and proprietary binder chemistry produces faster substrate wetting
- · Offers higher dilution ratios
- · Excellent lubricity and release
- Good thermal stability
- Continual lubrication in extreme pressure areas

### **Characteristics**

Property	Typical Value
Lubricant	Micro graphite
Carrier	Water
Solids Content	21.8 – 22.2 %
pH of Concentrate	10.0 – 14.0
Density	9.3 – 9.4 lbs. / gallon
Specific Gravity	1.12
Viscosity (Brookfield)	100 – 900 cP
Freezing Point	32°F
VOC	0







## **Method of Use**

#### Dilution

Bonderite L-FG ADAG C is supplied as a concentrate and can be diluted with distilled, demineralized, or soft water prior to use. The dilution ratio varies according to the difficulty of the job and the degree of cooling, from 1:1 to 1:25 depending on the application.

**Important:** Add water to concentrate, not the reverse. Stir the concentrate thoroughly then slowly add one part water while stirring until the mixture is homogenous. The remaining water may be added rapidly while stirring until the desired dilution and consistency are reached.

# **Application**

Substrates must dry and free of dirt, dust, and grease. No further pretreatment is required, although chemical etching or sandblasting will improve adhesion and wear properties.

For best results Bonderite L-FG ADAG C can be applied by conventional spray, brush, or dip methods. Spray application provides uniform coating thickness, complete die coverage, and lower friction values. In open or recirculating systems ammonia should be added periodically to maintain a pH of at least 10.

# Curing

Bonderite L-FG ADAG C will air dry to touch in 10 – 15 minutes depending on room temperature and humidity. For optimum coating properties preheat the substrate to 200 - 350°F before coating or heat to air-dried coated part at 300°F for 5 minutes.

#### Other Information

Protect from freezing during transit and storage. Always tightly reseal container to prevent contamination or evaporation.

Please refer to Safety Data Sheet for detailed health and safety information.

For more detail on this product or Henkel's capabilities contact your local account representative or Customer Service via the phone number below.



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.