

BONDERITE L-GP D17A

Known as Pulvegraph D17A

October 2015

PRODUCT DESCRIPTION

BONDERITE L-GP D17A provides the following product characteristics:

Technology	Lubricant
Product Type	Graphite in aerosol
Application	Dry film lubricant

BONDERITE L-GP D17A is an aerosol presentation of pure colloidal graphite in solvents. After evaporation of the solvents, a dry film of lamellar graphite is formed on the support.

Special Features:

BONDERITE L-GP D17A provides films that can be used from - 100 °C up to 500 °C for speeds lower than 4 m/s.

TECHNICAL DATA

Aspect	smooth grey black film
Solid lubricant	graphite
Graphite in dry film, %	~85

DIRECTION OF USE

Preliminary Statement:

Prior to application it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Application:

- On the parts subject to friction, BONDERITE L-GP D17A improves the performances of the lubricants (oils or greases) applied later (pistons of diesel engines).
- Tools working at high temperatures (punches and forging tools).
- Metal moulds: in glassware, in foundry.
- All mechanisms operating at high temperature (bearing of kiln cars).
- Screws and bolts.

Method of Use:

The dry film of graphite can be easily removed with polar solvents (alcohol, ketones).

To achieve a good film structure, the application has to be made on surfaces not exceeding a temperature of 35 °C.

Note: a dry film of MoS₂ can be protected from oxidation at high temperature by application of a top coat of BONDERITE L-GP

D17A on the MoS₂.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Hazards identification
Transport information
Regulatory information

Storage:

Recommended Storage Temperature, °C	5 to 40
Shelf life, months (in unopened original packaging)	24

Freezing will damage the stability of the product. Storage in direct sunlight may overheat the product and impair its quality. Reseal containers after use to avoid contamination.

ADDITIONAL INFORMATION

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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