

BONDERITE L-GP D18A ACHESON

Known as Pulve D18A
September 2019

PRODUCT DESCRIPTION

BONDERITE L-GP D18A ACHESON provides the following product characteristics:

Technology	Lubricant
Product Type	Graphite in aerosol
Application	Dry film lubricant

The MoS₂-containing BONDERITE L-GP D18A ACHESON in the spray can is a fine powder with the fineness of a colloid, which produces a dry lubricating film.

Special Features:

Parts coated with BONDERITE L-GP D18A ACHESON can be used at temperatures from -200 °C more than +390 °C and at speeds of up to 15 m/s. Loads of up to 28,000 kg/cm² with very low relative movements are possible.

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:

All types of components that require a very low friction coefficient in the dry state, e.g. small components with cams, plain bearings, gears, screws and bolts.

Product Properties:

(state at delivery)

Solid lubricant: Molybdenum disulphide

Method of Use:

The parts must be clean, dry and free of oil and grease.

Pretreatments such as phosphating, anodising, pickling or sandblasting are suitable methods to improve the adhesion and durability of the film.

For optimum adhesion, BONDERITE L-GP D18A ACHESON should be applied at a component temperature of max 35 °C.

The applied MoS₂ film can be easily removed with commercially available solvents.

Shake can well for approx. 30 seconds before use.

Spray on from a distance of approx. 10 to 15 cm.

The film dries quickly.

Complete curing takes about 20 minutes.

In cases where increased MoS₂ friction properties at high temperatures are required, a previously applied graphite lubricant film with BONDERITE L-GP D17A reduces the oxidation susceptibility of the BONDERITE L-GP D18A ACHESON coating.

Storage:

Recommended Storage Temperature Do not exceed 50°C.
Shelf life, months 12
(in unopened original packaging)

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.

Classification:

Please refer to the corresponding **Material Safety Data**

Sheets for details on:

Hazards identification
Transport information
Regulatory information

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.

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Reference 1.0