

# **BONDERITE L-GP OD EU ACHESON**

Known as Oildag EU June 2015

#### PRODUCT DESCRIPTION

BONDERITE L-GP OD EU ACHESON provides the following product characteristics:

Technology	Lubricant		
Product Type	Graphite dispersion in oil		
Application	Multi purpose		

BONDERITE L-GP OD EU ACHESON is a highly stable dispersion of pure ultra fine graphite particles in solvent refined mineral oil.

It is added to mineral oils to increase their load carrying capacity and to reduce wear in conditions of boundary lubrication.

BONDERITE L-GP OD EU ACHESON may be used undiluted to provide lubrication in particularly severe conditions.

#### Benefits:

- · Increases load carrying capacity of oils.
- Reduces wear.
- Remains stable at high temperatures.
- Prevents scoring or seizure.
- Provides thin smooth coatings of graphite on hot surfaces.
- Gives high temperature parting and release action.
- Passes through fine oilways and filters.
- Ensures trouble-free running-in.
- Extends lubrication service intervals.
- · Reduces maintenance costs.
- Effective lubricant for all metal surfaces unlike chemical additives.

#### Application:

#### High Temperature Bearing Lubrication

Conveyor chains of baking, enamelling and annealing ovens, kiln car bearings, blast valve stems, tyres of rotary kilns.

#### Assembly Lubrication

Pistons, gudgeon pins, crank shaft bearings, camshafts, valve stems and guides.

#### Running-In

I.C. Engines, compressors and pumps.

#### **Forging**

Lubrication of dies and tools for steel forging and hot pressing, hot brass stamping, high strength light alloy press forging.

## Extrusion

Lubrication of dies and tools for aluminium and copper alloys.

# **Pressure Diecasting**

Die face lubrication and release, lubrication of ejectors, core slides and plungers.

## **Gravity Diecasting**

Lubrication of core slides and pins.

#### Glass Container Manufacture

Mould and neck ring lubrication.

#### **TECHNICAL DATA**

# (as supplied)

Lubricating solid high purity micro-graphite
Carrier mineral oil
Nitrogen residue, % ~8.2

Viscosity, mPa.s ~900 (Brookfield 20°C, 20rpm)

Particle size (majority), µm 1

Particle size (maximum), µm 4 to 5

Density, kg/m³ 960

Flash Point, °C >200

Diluent mineral oil, paraffin, white

spirit

## **DIRECTION OF USE**

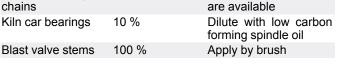
# **Preliminary Statement:**

Prior to use it is necessary to read the **Material 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.

### **Dilution & Mixing:**

We recommend the incorporation of the following percentages by volume of BONDERITE L-GP OD EU ACHESON.

Application		<b>% BONDERITE Remarks</b>				
		L-GP ACHES		EU		
Oven chains	conveyor	10 %			matic availabl	lubricators e
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Rotary kiln tyres	100 %	Apply between tyres and pads by spray
Assembly lubrication	100 %	
Running-In I.C. Engines	2 %	Add to crank case oil
Hot brass pressing	7 %	Dilute with paraffin and spray dies
Aluminium alloy forging	25 %	Dilute with oil and spray dies
Hot drawing steel shells	100 %	Apply to mandrel by swab or brush after quenching
Extrusion aluminium and copper alloys	25 to 100 %	Apply to mandrel by swab or brush after quenching
Pressure die casting aluminium release agents	10 to 20 %	Apply to mandrel by swab or brush after quenching
Diecasting lubricants	25 to 100 %	Dilute with mineral oiland apply to ejectors, core slides and plungers by brush or swab
Glass bottle manufacture	10 to 20 %	Use light low cabon forming oil. Apply sparingly to blank moulds and neck rings by swab or spray

# 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)

#### **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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