

BONDERITE S-AD 1246 ACHESON

Known as SLA 1246 EU
June 2015

PRODUCT DESCRIPTION

BONDERITE S-AD 1246 ACHESON provides the following product characteristics:

Technology	Lubricant
Product Type	Molybdenum disulphide dispersion in oil
Application	Additive

BONDERITE S-AD 1246 ACHESON is an extremely stable suspension of uniform, microscopic molybdenum disulphide particles in highly refined petroleum oil.

BONDERITE S-AD 1246 ACHESON substantially reduces friction and improves the extreme pressure and antiwear "properties" of the oil.

It prevents metal-to-metal contact and surface scuffing and provides reliable lubrication in boundary conditions.

Benefits

When added to engine oils:

- greater fuel economy
- reduced engine wear
- better engine performance through reduced friction
- protection during intermittent extreme operating conditions
- improvement on cold starts
- maintenance of engine cleanliness

Application Areas

BONDERITE S-AD 1246 ACHESON is designed for use in formulating single grade and wide range multi-grade API SD-SE or CC-CD engine oils.

TECHNICAL DATA

(as supplied)

Solid lubricant	Molybdenum disulphide
Carrier	mineral oil
MoS ₂ content, %	~15
Viscosity, mPa.s (Brookfield 20 °C, 20 rpm)	~500
Particle size (majority), µm	≤1
Particle size (maximum), µm	3 (occasionally greater)
Consistency	medium viscous fluid
Density, kg/m ³	1,000
Flash Point, °C	>200

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

BONDERITE S-AD 1246 ACHESON can be blended with most commercially available oils or greases.

The services of Henkel laboratories are available to advise and/or evaluate the compatibility of BONDERITE S-AD 1246 ACHESON with proposed diluents, oils and additive combinations.

BONDERITE S-AD 1246 ACHESON is completely compatible with most oil additive treatments.

- In blending operations involving large quantities, the oil should be heated to about 50 to 55 °C since blending is more efficient when oil viscosities are reduced.
- Stir BONDERITE S-AD 1246 ACHESON thoroughly to achieve a uniform consistency, then premix equal parts of the product and the oil diluent before blending with the balance of the oil.
- Maintain continuous agitation by mechanical stirring or dry air blowing throughout the blending operation.

Application

For best results, use BONDERITE S-AD 1246 ACHESON at 1 % solids by weight in the finished oil, or ~6.7 % by weight of BONDERITE S-AD 1246 ACHESON.

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)	48

ADDITIONAL INFORMATION**Disclaimer****Note:**

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