

BONDERITE L-AD AF

Known as Multan AS / Bonderite S-AD AS
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PRODUCT DESCRIPTION

BONDERITE L-AD AF provides the following product characteristics:

Technology	Lubricants
Product Type	Defoamer
Application	Service product

BONDERITE L-AD AF is an antifoaming / defoaming agent designed for use in water-soluble cutting fluids.

BONDERITE L-AD AF is completely water dispersible and will not adhere to metal surfaces.

The use of BONDERITE L-AD AF will not impair subsequent finishing operations, such as painting, plating or other surface treatments.

BONDERITE L-AD AF does not exhibit silicone associated characteristics such as defoamer dragout, either on metal fines or the actual workpiece.

To check the compatibility with all metalworking fluids or coating systems, preliminary laboratory trials are recommended.

TECHNICAL DATA

Appearance	opaque, colourless liquid
Density (at 20°C), g/cm ³	~1.016
DIN 51757	
Viscosity, mPa.s (Brookfield, 25°C)	~850
Flash Point (DIN ISO 2592), °C	>100

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.

Dosing:

Usual additions are 0.005 to 0.01 % according to the whole coolant volume.

BONDERITE L-AD AF should be added slowly to the inlet side of the recirculation pump to aid in dispersion.

Before adding BONDERITE L-AD AF can be diluted with the cutting fluid emulsion in a ratio of 1 : 1.

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 50
Shelf-life, months (in unopened original packaging)	12

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Reference 1.0