

# BONDERITE L-MR 11468

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## PRODUCT DESCRIPTION

BONDERITE L-MR 11468 provides the following product characteristics:

<b>Technology</b>	Lubricants
<b>Product Type</b>	Synthetic Metal Working Fluid
<b>Application</b>	Mineral oil free Metal Working Fluid for Grinding

BONDERITE L-MR 11468 is a water soluble synthetic grinding fluid. BONDERITE L-MR 11468 is a mineral oil-free general purpose full synthetic coolant suitable in a wide range of grinding operations and water hardness (0 to 60° dH). Due to the selection of raw materials, BONDERITE L-MR 11468 is resistant against bacteria growth. The formulation of BONDERITE L-MR 11468 provides good foam control, corrosion protection properties and grit settling characteristics. BONDERITE L-MR 11468 complies with the German TRGS 611 (Technical Rule for Hazardous Substances 611).

### Application Areas:

BONDERITE L-MR 11468 is mainly used for surface grinding or similar operations where transparency together with excellent foam control are of prime importance. BONDERITE L-MR 11468 is preferably used for steel and cast iron and provides very good corrosion protection. Solutions made from BONDERITE L-MR 11468 are clear and can be used with confidence in high pressure applications.

## TECHNICAL DATA

### (as supplied):

#### Concentrate:

Density, 20°C, g/cm <sup>3</sup> DIN 51757	~1.14
Viscosity, (20°C), mm <sup>2</sup> /s DIN 53211	~42
Flashpoint, °C DIN ISO 2592	>100

#### Solution:

Appearance	clear colourless
pH	~9.4

#### Corrosion protection properties:

according to DIN 51360/2	0/0 at 3 %
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## DIRECTIONS FOR 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.

### Concentration:

Use 3 - 4 % concentrate depending on the corrosion protection properties required by the material to be grinded.

### Control of the emulsion:

#### Refractometer:

The reading in °Brix multiplied by the product factor 1.4 is equivalent to the concentration in percent.

#### Titration by pH:

100 mL of the emulsion are titrated down to pH 5.5 using 0.5 N HCl and an electronic pH-meter. The consumption of acid in mL multiplied by the product factor 0.15 is equivalent to the concentration in percent.

### 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)	12

## ADDITIONAL INFORMATION

### Disclaimer

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### Reference 1.0