

# BONDERITE®

## BONDERITE L-MR B-637

Boron-free Machining & Grinding Fluid



### Features & Benefits

- Bio-resistant, boron-free, semi-synthetic fluid
- Designed for machining and grinding of ferrous and aluminum alloys across water conditions (0-1200 ppm hardness).
- Combines lubricity additives and cooling where lubricity, bio - resistant, cleanliness and cooling are critical
- Up to 6 times less defoamer required due to significant reduction in foam creation
- Stable emulsion after 7 days at 1800 ppm
- Full corrosion protection at standard concentrations of ~6 percent



### Sustainability Value

- Meets tightening regulations (boron-free)
- Reduces material use
- Low concentration of volatile organic compounds
- Increases bath lifetime
- Eliminates majority of SDS pictograms (excluding irritant)



**FREE**  
OF **BORON**

**FULL**  
OF **BENEFITS**

\*Annual

**CO<sub>2</sub>**  
emissions reduction  
of approximately

**11 %**  
compared to  
alternative market  
solution

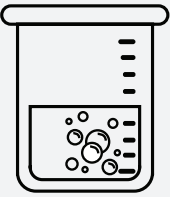

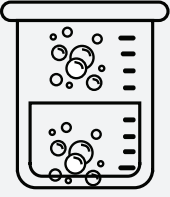

\*Based on customer annual consumption of 5 totes, 20 totes, 50 drums and 100 drums of BONDERITE L-MR B-637 and an alternative Henkel metalworking solution.



## BONDERITE L-MR B-637

### Boron-free Machining & Grinding Fluid

In addition to reducing material use, a decrease in foam generation increases cooling efficacy, reduces odor & improves bath & tooling life.

Machining Lubricant	FOAM CREATION	DEFOAMER REQUIRED	MATERIAL SAVINGS
Bonderite L-MR B-637	 500 mL Foam	0.03% Defoamer within formula	 6 times less defoamer used
Previous Generation	 1300 mL Foam	0.5% Defoamer within formula	 6 times more defoamer used

### Technical Data

Properties	Typical Value
Appearance	Clear to hazy, amber fluid
Appearance @ 5%	Clear to hazy
Recommended concentration	5-10%
pH of Emulsion (typical)	9.2-9.6
Density	7.9 lbs/gallon
Refractometer Factor	1.59
GROB Mach Approved	Sideway oil pass
Biosan Bact Challenge	Bio/Myco pass
Chlorine	None
Boron	None

### Available Configurations

- Pails
- Drums
- Totes

[www.henkel-adhesives.com](http://www.henkel-adhesives.com)

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