

**LOCTITE® LB 8035™**

Known as LOCTITE® 8035™

January 2015

**PRODUCT DESCRIPTION**

LOCTITE® LB 8035™ provides the following product characteristics:

<b>Technology</b>	Cutting Fluid
<b>Chemical Type</b>	Emulsifier-System
<b>Appearance</b>	Brownish liquid
<b>Viscosity</b>	Low
<b>Cure</b>	Not applicable
<b>Application</b>	Metal Machining (automatic)

LOCTITE® LB 8035™ is a bactericide-free water miscible cutting fluid for general machining of all steel and cast materials. Aluminium and non-ferrous metals can be co-worked on the machines. LOCTITE® LB 8035™ is highly resistant to microorganisms, bacteria and fungi. It provides excellent cooling and lubrication performance, good cleaning performance, excellent run-off properties and a remarkable little foam formation. LOCTITE® LB 8035™ prolongates tool service life resulting from extremely efficient lubrication.

**TYPICAL PROPERTIES**

Density @ 20 °C, g/cm <sup>3</sup>	0.97
Viscosity @ 20°C, cSt	122
pH (5 % in de-ionised water)	9.2
Corrosion protection properties:	
According to DIN 51360/1 @ 3%	R0 / S0
According to DIN 51360/2 @ 2.5%	0/0
Flash Point - See SDS	

**GENERAL INFORMATION**

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Safety Data Sheet (SDS).**

**Directions for use:**

1. LOCTITE® LB 8035™ is used in automatic machining.
2. Use a 5 to 8% concentration for the initial filling.
3. To get the cutting fluid pour the LOCTITE® LB 8035™ concentrate into the water.
4. Product to be fully mixed by using the machine pump.
5. For top-up use a concentration of 0.5 to 1.5%.
6. For concentration control use a refractometer.

**Not for product specifications**

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

**Storage**

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

**Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.**

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

**Conversions**

(°C x 1.8) + 32 = °F
kV/mm x 25.4 = V/mil
mm / 25.4 = inches
µm / 25.4 = mil
N x 0.225 = lb
N/mm x 5.71 = lb/in
N/mm <sup>2</sup> x 145 = psi
MPa x 145 = psi
N·m x 8.851 = lb·in
N·m x 0.738 = lb·ft
N·mm x 0.142 = oz·in
mPa·s = cP

**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.

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## Reference 0.1