



LOCTITE® 8035™

September 2010

PRODUCT DESCRIPTION

LOCTITE® 8035™ provides the following product characteristics:

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

LOCTITE® 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® 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® 8035™ prolongates tool service life resulting from extremely efficient lubrication.

TYPICAL PROPERTIES

| | |
|------------------------------------|---------|
| Density @ 20 °C, g/cm ³ | 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 MSDS

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 Material Safety Data Sheet (MSDS).

Directions for use:

1. LOCTITE® 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® 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

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\mu\text{m} / 25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.0