



# LOCTITE® 8155™

July 2006

## PRODUCT DESCRIPTION

LOCTITE® 8155™ provides the following product characteristics:

<b>Technology</b>	Assembly paste
<b>Chemical Type</b>	Mineral oil, mineral wax and MoS2
<b>Appearance</b>	Black paste <sup>LMS</sup>
<b>Cure</b>	Not applicable
<b>Application</b>	Lubrication
<b>Specific Benefit</b>	Prevents galling and fretting

LOCTITE® 8155™ is a mineral oil based assembly paste with MoS2 which facilitates easy assembly and disassembly of cylindrical parts under severe operating conditions. Typical applications include lubricating and sealing cylindrical parts, bearings, wheels, gears, splined shafts, etc. and permits easy disassembly after severe working conditions at temperatures up to 450 °C. It permits lubrication at low speeds and oscillations. This product is typically used in applications with an operating range of -20 °C to +450 °C.

## TYPICAL PROPERTIES

Density, ISO 2811-1 @ 25 °C, g/ml	0.78 to 0.98 <sup>LMS</sup>
Consistency, ISO 6743-99, NGLI Class	0
Drop Point, ISO 2176, °C	>170 <sup>LMS</sup>
Copper Corrosion, ISO 2160: 3 hours @ 100 °C	1a
Penetration, worked, ISO 2137, 1/10mm: @ 25 °C and 60 strokes	265 to 295 <sup>LMS</sup>
Bomb Oxidation, ASTM D942, N/mm² drop: 100 hours	0.02

## GENERAL INFORMATION

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

### Directions for use

1. For best performance part surfaces should be clean and free of grease.
2. LOCTITE® cleaners 7063™ or 7070™ may be used to remove oxides and lubricant residues.
3. Apply a thin layer by brushing evenly over the whole surface for moving parts lubrication.

### Loctite Material Specification<sup>LMS</sup>

LMS dated April 23, 2004. Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Quality.

### 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 1.0