



# LOCTITE® 8030™

November 2006

## PRODUCT DESCRIPTION

LOCTITE® 8030™ provides the following product characteristics:

<b>Technology</b>	Oil
<b>Chemical Type</b>	Mineral oil and EP additives
<b>Appearance</b>	Clear yellow liquid <sup>LMS</sup>
<b>Key Substrates</b>	Steel, Stainless Steel and Aluminum
<b>Cure</b>	Not applicable
<b>Application</b>	Lubrication

LOCTITE® 8030™ is a multi-purpose cutting oil used to facilitate machining operations. This product permits greater cutting speed with improved surface finish and increased tool life. It is a lubricant for wear prevention during drilling, tapping and general machining operations. It may also be used to facilitate sheet metal forming processes.

## TYPICAL PROPERTIES

Specific Gravity @ 25 °C	0.95 to 1.0 <sup>LMS</sup>
Density, DIN EN542 @ 25 °C, g/ml	1.0
Flash Point - See MSDS	
Viscosity @ 40°C, cSt	60 to 160 <sup>LMS</sup>
Loading Test - 4 ball, ASTM D2596:	
Weld Load, N	5,000

## GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a lubricant 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. Apply product to tool during cutting operation.
2. **CAUTION:** This product should not be used on titanium and copper alloy surfaces where appearance is important.

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

LMS dated April 15, 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

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