



LOCTITE[®] 8031™

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PRODUCT DESCRIPTION

LOCTITE[®] 8031™ provides the following product characteristics:

Technology	Oil
Chemical Type	Mineral oil and EP additives
Appearance	Dark yellow
Odor	Oily
Dispense Method	Spray
Propellant	Propane
Cure	Not applicable
Application	Lubrication

LOCTITE[®] 8031™ 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. Suitable for use on steel and stainless steel. However it should not be used on aluminum, titanium and copper alloy surfaces where appearance is important. This product is typically used in applications with an operating range of -20 °C to +160 °C.

TYPICAL PROPERTIES

Density @ 20 °C, g/ml	0.84
Viscosity @ 40°C, cSt	170
Loading Test - 4 ball, ASTM D2596:	
Weld Load, N	>8,000
Weld Scar (@ 8,000 N), mm	<4
Wear, 1 hour / 400 N, mm	1
Pressure @ 20 °C, Bar	4.5
Delivery Rate, g/s	2.1
Peak Temperature, °C,	200
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 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. Shake the product thoroughly before use.
2. Apply product to tool during cutting operation.

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

The product is classified as **HIGHLY FLAMMABLE** and must be stored in an appropriate manner in compliance with relevant regulations. Do not store near oxidizing agents or combustible materials. Store product in the unopened container in a dry location. Storage information may also be indicated on the product container labelling

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

Henkel 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 ² 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

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Reference 1.1