

LOCTITE® LB 8154™Known as LOCTITE® 8154™
January 2015**PRODUCT DESCRIPTION**

LOCTITE® LB 8154™ provides the following product characteristics:

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|-------------------------|------------------------------------|
| Technology | Anti-Seize |
| Chemical Type | Mineral oil, lithium soap and MoS2 |
| Appearance | Black |
| Odor | Oily |
| Propellant | Propane/Butane |
| Dispense Method | Spray |
| Cure | Not applicable |
| Application | Lubrication |
| Specific Benefit | Prevents fretting and wear |

LOCTITE® LB 8154™ is a mineral oil based assembly paste with MoS2 which facilitates easy assembly and disassembly of cylindrical parts under severe operating conditions at temperatures up to 450 °C. This product protects components during the running in periods and it assures easy disassembly after severe working conditions at temperatures up to 450 °C. This product is typically used in applications with an operating range of -30 °C to +450 °C.

NSF International

Registered to NSF Category H2 for use as a lubricant where there is no possibility of food contact in and around food processing areas. **Note:** This is a regional approval. Please contact your local Technical Service Center for more information and clarification.

TYPICAL PROPERTIES

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| Density, ISO 2811-1 @ 20 °C, g/ml | 0.756 |
| Consistency, ISO 6743-99, NLGI Class | 1 |
| Penetration, worked, ISO 2137, 1/10mm: @ 25 °C and 60 strokes | 310 to 340 |
| Loading Test - 4 ball, ASTM D2596: | |
| Weld Load, N | 2,900 |
| Weld Scar (@ 2,900 N), mm | 4 |
| Wear, 1 hour / 400 N, mm | 0.8 |
| Copper Corrosion, ISO 2160: | |
| 3 hours @ 100 °C | 1b |
| Peak Temperature, °C | 450 |
| Pressure @ 20 °C, Bar | 3.0 |
| Delivery Rate, g/s | 1.6 |
| 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 lubricant for chlorine or other strong oxidizing materials.

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

Directions for use:

1. Shake can thoroughly. Spray from a distance of about 15 to 20 cm onto the area to be treated.
2. Apply to clean parts which need lubricating, avoid excessive lubrication.

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

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

Note:

The 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 2.2