

**LOCTITE® LB 8101™**Known as LOCTITE® 8101™  
June 2014**PRODUCT DESCRIPTION**

LOCTITE® LB 8101™ provides the following product characteristics:

|                        |                                            |
|------------------------|--------------------------------------------|
| <b>Technology</b>      | Oil & Grease                               |
| <b>Chemical Type</b>   | Mineral Oil, Lithium Soap and EP-additives |
| <b>Appearance</b>      | Amber                                      |
| <b>Odor</b>            | Oily                                       |
| <b>Dispense Method</b> | Spray                                      |
| <b>Propellant</b>      | Propane/Butane                             |
| <b>Cure</b>            | Not applicable                             |
| <b>Application</b>     | Lubrication                                |

LOCTITE® LB 8101™ is an adhesive grease used for open mechanical systems. It is used to lubricate chains, open gears, worm screws and cables, and protects against water ingress. It also provides excellent resistance against wear and withstands high pressure. This product is designed to resist centrifugal forces on high speed mechanisms. This product is typically used in applications with an operating range of -30 °C to +170 °C.

**TYPICAL PROPERTIES**

|                                                                  |            |
|------------------------------------------------------------------|------------|
| Consistency, ISO 6743-99, NLGI Class                             | 2          |
| Penetration, ISO 2137, worked, 1/10mm:<br>@ 25 °C and 60 strokes | 265 to 295 |
| Drop Point, ISO 2176, °C                                         | >250       |
| Loading Test - 4 ball, ASTM D2596:                               |            |
| Weld Load, N                                                     | >3,900     |
| Weld Scar (@ 3,900 N), mm                                        | <4         |
| Wear, 1 hour / 400 N, mm                                         | 0.6        |
| EMCOR Test, ISO 11007                                            | 0/0        |
| Peak Temperature, °C                                             | 200        |
| Pressure @ 20 °C, Bar                                            | 3          |
| Delivery Rate, g/s                                               | 1.9        |
| 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**