

## LOCTITE® LB 8042

Known as LOCTITE® White Lithium Grease  
May 2015

### PRODUCT DESCRIPTION

LOCTITE® LB 8042 provides the following product characteristics:

<b>Technology</b>	Lithium grease
<b>Chemical Type</b>	Lithium grease
<b>Appearance</b>	Smooth white paste
<b>Cure</b>	Non-curing
<b>Application</b>	Lubrication
<b>Specific Benefit</b>	<ul style="list-style-type: none"><li>• Multi-purpose</li><li>• High temperature</li><li>• Long lasting</li></ul>

LOCTITE® LB 8042 is a lubrication paste designed to reduce friction between load bearing moving metal surfaces and/or the combination of metal and plastic surfaces. This product has general purpose lubrication and corrosion protection for open gears and chains, slide conveyors, guide rails, bearings, cams, pistons, machinery, and tools and equipment. It is also an excellent rust and corrosion inhibitor.

### TYPICAL PROPERTIES

Specific Gravity @ 25 °C	0.9
Flash Point - See SDS	
Penetration, ISO 2137, worked, 1/10 mm	290 to 310
Consistency, ISO 6743-99, NLGI Class	2
Drop Point, ISO 2176, °C	193
Bomb Oxidation, ASTM D942, N/mm <sup>2</sup> drop: @ 25 °C	≤5.0
Bearing Corrosion, ASTM D1743, rating	1, 1, 1

### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

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

### Directions for use:

1. Remove all previous material from mating surfaces.
2. Apply thin coating to mating surfaces, assemble.
3. Do not use thinner.

### 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 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.** Material removed from containers may be contaminated during use. Do not return product to the original container. 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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