Technical Data Sheet

LOCTITE® LB 8001™

Known as LOCTITE® 8001™
January 2015

PRODUCT DESCRIPTION

LOCTITE® LB 8001™ provides the following product characteristics:

Technology	Oil
Chemical Type	White mineral oil
Appearance	Colorless
Odor	Odorless
Viscosity	Low
Dispense Method	Spray
Propellant	Propane/Butane
Cure	Not applicable
Application	Lubrication

LOCTITE® LB 8001™ is a multi-purpose penetrating oil for micro mechanisms. It is suitable for the food, pharmaceutical and textile industries. LOCTITE® LB 8001™ can penetrate inaccessible mechanisms. It is ideally suited for lubricating valve sealings, collars, chains, hinges, cutting knives in food transport equipment and sewing machines. This product is typically used in applications with an operating range of -17 °C to +120 °C.

NSF International

Registered to NSF Category H1 for use as a lubricant with incidental 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

Density @ 20 °C, g/ml	0.784
Viscosity baseoil @ 20 °C, cSt	174
Viscosity baseoil @ 40 °C, cSt	54
Viscosity baseoil @ 100 °C, cSt	7
Viscosity @ 20°C, cSt	4
Loading Test - 4 ball, ASTM D2596:	
Weld Load, N	1,200
Copper Corrosion, ISO 2160:	
3 hours @ 100 °C	1b
Peak Temperature, °C	150
Pressure @ 20 °C, Bar	3
Delivery Rate, g/s	1.2
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.
3. Do not apply product to equipment while food is being processed or transported.

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 Representive

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/mm² 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:
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.
Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:
In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:
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. 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.
Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, Resin Technology Group, Inc., or Henkel Canada Corporation, the following disclaimer is applicable:
The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage
Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 1.2

This document was created and digitally signed by tdx.henkel.com at 2025-11-28T11:18:41.610Z