Technical Data Sheet

# LOCTITE® LB 8423

Known as LOCTITE® Dielectric Grease
January 2015

## PRODUCT DESCRIPTION

LOCTITE® LB 8423 provides the following product characteristics:

| | |
|---|---|
| **Technology** | Silicone grease |
| Chemical Type | Silicone dielectric compound |
| Appearance | Translucent paste |
| Viscosity | Thick paste |
| **Cure** | Non-curing |
| **Application** | Lubrication |
| Specific Benefits | • Corrosion resistant<br>• Improves connections |

LOCTITE® LB 8423 is a silicone dielectric compound that facilitates and improves tune-ups. The compound prevents voltage leakage around any electrical connector thereby insuring a strong spark in high energy ignition systems. It is also an excellent lubricant on rubber, plastic and ceramic surfaces, and it also has good high temperature properties, thus preventing fusing of spark plug boots to the spark plug itself. Typical applications include spark plug boots, distributor cap nipples, battery terminals, ignition coil connectors, and trailer electrical connectors. This product is typically used in applications with an operating range of -55°C to 204°C.

## TYPICAL PROPERTIES

| | |
|---|---|
| Specific Gravity @ 25 °C | 1.03 |
| Penetration, ISO 2137, 1/10 mm | 250 |

## TYPICAL PROPERTIES OF UNCURED MATERIAL

**Electrical Properties:**

| | |
|---|---|
| Dielectric Breakdown Strength, IEC 60243-1, kV/mm | 19.8 |
| Dielectric Constant / Dissipation Factor, IEC 60250: 1 KHz | 3.0 / 0.007 |
| Volume Resistivity, IEC 60093, Ω·cm | $2.6 \times 10^{15}$ |

## 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:

### For spark plug boots

1. Make sure ignition system is off.
2. Remove heavy grease, dirt or oil with a clean rag.
3. Coat inside of spark plug boot with a thin layer of grease.
4. Coat ceramic part of plug.
5. Snap boot onto plug. Make sure fit is tight.

### For connectors and battery terminals

1. Make sure ignition system is off.
2. Clean surfaces with appropriate cleaner such as Loctite® Pro Strength Parts Cleaner or Loctite® Battery Cleaner.
3. Coat both parts with grease.
4. Reassemble.

## Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.
**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 Corporation 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/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

**Disclaimer**
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, 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 0.2

This document was created and digitally signed by tdx.henkel.com at 2025-11-27T05:20:09.499Z