



LOCTITE[®] 8018™

January 2007

PRODUCT DESCRIPTION

LOCTITE[®] 8018™ provides the following product characteristics:

Technology	Oil & Grease
Chemical Type	Blend of refined petroleum oils and additives
Appearance	Clear yellow-brown liquid ^{LMS}
Propellant	Propane/Butane
Solubility in Water	Insoluble
Solubility in Acetone	Soluble
Cure	Not applicable
Application	Lubrication
Specific Benefit	<ul style="list-style-type: none"> • Easy application from an aerosol can • Fast, efficient and economical • Will not affect painted surfaces • Low surface tension • Does not contain chlorinated solvents • Does not contain CFC

LOCTITE[®] 8018™ is a transparent super penetrating oil in an aerosol can, based on a blend of petroleum oils and additives. The product quickly flows between rusted and corroded parts to break the bond of oxidized metal. Due to its exceptional penetrating properties it is also suitable for loosening tar, grease, dirt and other carbon deposits. The product leaves a thin film that lubricates and prevents rust. LOCTITE[®] 8018™ is specifically designed as a super penetrating oil to free rusted or frozen nuts, bolts, screws, fittings and other fasteners as well as metal components in automotive and industrial equipment. It is also recommended for cleaning parts before lubrication and as a light lubricant and rust inhibitor.

TYPICAL PROPERTIES

Specific Gravity @ 20 °C	0.777 to 0.789 ^{LMS}
Flash Point - See MSDS	
Viscosity @ 25°C, mPa·s (cP)	<100
Solids/Non-Volatile Content, %	8.0 to 8.8 ^{LMS}
Refractive Index, ISO 489	1.425 to 1.437 ^{LMS}

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 Material Safety Data Sheet (MSDS).

Directions for use

1. Shake can thoroughly before use.

2. Best results are obtained when the product is at room temperature.
3. Spray an even coat of LOCTITE[®] 8018™ from a distance of about 20 to 25 cm.
4. Allow the product to penetrate for approximately 5 minutes.
5. Light tapping with a hammer will speed up penetration.
6. Thereafter, separate or disassemble parts in a normal fashion.
7. In extreme cases, a second application with a longer soaking time may be required.
8. For loosening tar, grease, dirt, oil and carbon deposits follow the above instructions. After appropriate soaking time, remove loosened dirt with a cloth or with a plastic or wooden scraper.

Loctite Material Specification^{LMS}

LMS dated July 16, 2004. Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Quality.

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 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 0.0