



LOCTITE[®] 8191™

April 2008

PRODUCT DESCRIPTION

LOCTITE[®] 8191™ provides the following product characteristics:

| | |
|--------------------|-------------------------------|
| Technology | Lubricant |
| Chemical Type | Molybdenum disulfide in resin |
| Appearance | Black |
| Odor | Solvent |
| Dispense Method | Spray |
| Propellant | Propane/Butane |
| Cure | Solvent evaporation |
| Application | Lubrication |

LOCTITE[®] 8191™ is a molybdenum disulfide bonded coating at room temperature. This coating acts as a dry lubricant preventing accumulation of dust or dirt. The coating creates ideal sliding surfaces for free movements on hinges, slipways on conveyor equipment, etc. It also offers corrosion protection to metal surfaces. This product is typically used in applications with an operating range of -40 °C to +340 °C.

TYPICAL PROPERTIES

| | |
|--|------|
| Density, ISO 3675 @ 25 °C, g/ml | 0.75 |
| Viscosity, DIN CUP 4, seconds | 11 |
| Cure Time @ 20 °C, minutes | 10 |
| Tack Free Time, minutes | 5 |
| Peak Temperature, °C, | 400 |
| Pressure @ 20 °C, Bar | 3.8 |
| Delivery Rate, g/s | 1 |
| Salt Spray Test, DIN 53210 (250 hours) | Ri5 |
| Flash Point - See MSDS | |

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 Material Safety Data Sheet (MSDS).

Directions for use:

1. Shake can thoroughly. Spray from a distance of about 20 to 30 cm onto the area to be treated.
2. For best results, apply to clean, dry surfaces.

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

| |
|-------------------------------|
| (°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/mm ² 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 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 2.0