



# LOCTITE® 8101™

(Draft 3, Oct 11th) October 2007

## PRODUCT DESCRIPTION

LOCTITE® 8101™ provides the following product characteristics:

|                        |  |
|------------------------|--|
| <b>Technology</b>      | Oil & Grease                               |
| <b>Chemical Type</b>   | Mineral Oil, Lithium Soap and EP-additives |
| <b>Appearance</b>      | Amber                                      |
| <b>Odor</b>            | Oily                                       |
| <b>Dispense Method</b> | Spray                                      |
| <b>Propellant</b>      | Propane/Butane                             |
| <b>Cure</b>            | Not applicable                             |
| <b>Application</b>     | Lubrication                                |

LOCTITE® 8101™ is an adhesive grease used for open mechanical systems. It is used to lubricate chains, open gears, worm screws and cables, and protects against water ingress. It also provides excellent resistance against wear and withstands high pressure. This product is designed to resist centrifugal forces on high speed mechanisms. This product is typically used in applications with an operating range of -30 °C to +170 °C.

## TYPICAL PROPERTIES

|  |            |
|--|------------|
| Consistency, ISO 6743-99, NLGI Class   | 2          |
| Penetration, ISO 2137, worked, 1/10mm: |            |
| @ 25 °C and 60 strokes                 | 265 to 295 |
| Drop Point, ISO 2176, °C               | >250       |
| Loading Test - 4 ball, ASTM D2596:     |            |
| Weld Load, N                           | >3,900     |
| Weld Scar (@ 3,900 N), mm              | <4         |
| Wear, 1 hour / 400 N, mm               | 0.6        |
| EMCOR Test, DIN 51802                  | 0/0        |
| Peak Temperature, °C,                  | 200        |
| Pressure @ 20 °C, Bar                  | 3          |
| Delivery Rate, g/s                     | 1.9        |
| Flash Point - See MSDS                 |            |

## GENERAL INFORMATION

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

**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.**

## 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.

## 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/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

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Reference N/A