



LOCTITE[®] 8101™

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PRODUCT DESCRIPTION

LOCTITE[®] 8101™ provides the following product characteristics:

Technology	Oil & Grease
Chemical Type	Mineral Oil, Lithium Soap and EP-additives
Appearance	Amber
Odor	Oily
Dispense Method	Spray
Propellant	Propane/Butane
Cure	Not applicable
Application	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, ISO 11007	0/0
Peak Temperature, °C,	200
Pressure @ 20 °C, Bar	3
Delivery Rate, g/s	1.9
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 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/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

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Reference 2.1