



## Research Development & Engineering

Tallaght Business Park  
Dublin Ireland

# Product Description Sheet Product 8023

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### PRODUCT DESCRIPTION

LOCTITE® Marine Grade Anti-Seize Lubricant features a formulation that protects assemblies exposed to direct or indirect fresh or salt water and high humidity conditions.

### PRODUCT FEATURES

- Typical service temperature from -29°C to 1,315°C (-20°F to 2,400°F)
- Superior water wash-out resistance
- Superior water spray resistance
- Excellent lubricity
- Prevents galvanic corrosion

### TYPICAL APPLICATIONS

- Bolts, screws, studs, pipe joints, nuts, shafts, bushings, splines, chains, and cables in marine applications
- Dressing for water pump gaskets and flanges
- Pulp and paper mills, water and waste water treatment plants

### DIRECTIONS FOR USE

1. Clean mating surfaces before application (Remove old compound with wire brush).
2. Apply a thin coating to mating surfaces; do not use thinner.
3. Assemble parts.
4. Keep container closed when not in use to avoid contamination.
- 5.

### PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Calcium sulfonate grease
Appearance	Black paste
Specific Gravity	1.25
Flash point (CC), °C	>100

### TYPICAL PERFORMANCE

#### Torque Tension

Tested on degreased 3/8x16 nuts & bolts in a Skidmore-Wilhelm apparatus. Data reported are the k-factors calculated from torque @ 22 kN (5000 lbs) tension.

$$T = K \times F \times D$$

- T = Torque (N-m, in-lb, ft-lb)
- K = Torque coefficient or nut factor, determine experimentally.
- F = Clamp Load (N, lb)
- D = Nominal diameter of bolt (m, in, ft)

#### K Factor:

Torque coefficient, K

Typical Value  
0.18

Loctite makes no warranty of specific performance on any individual fastener. In critical applications, it is necessary to determine K values independently.

### Typical Performance of Material

	Typical Value
Water washout, ASTM D1264, %	0.0
Corrosion on copper, ASTM D130-94	No visible change
Oil separation, FTM 791, Method 321.3, %	0.21
Galling & Seizing, PRF 907E Method 4.5.2.1	No visible change
Corrosion Resistance, Salt Fog, ASTM B117	No visible change

### 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).**

### Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information contact your local Technical Service Center.

### Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

### 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 Loctite 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 Loctite Corporation's products.** Henkel Loctite 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 Loctite 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.

NOT FOR PRODUCT SPECIFICATIONS.

THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.

PLEASE CONTACT LOCTITE CORPORATION QUALITY DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS ON SPECIFICATIONS FOR THIS PRODUCT.  
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