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LOCTITE

Product Description Sheet

LOCTITE® LB 8036

Known as
LOCTITE® White High Temperature Anti-Seize
January 2015

PRODUCT DESCRIPTION

LOCTITE® LB 8036 is a general purpose non-metallic formulation that protects against high temperature seizing and galling of mated parts. It can also be used on various metals such as copper, brass, cast iron, steel and all alloys including stainless steel.

PRODUCT FEATURES

- Typical service temperature from –29ºC to 1093ºC (-20ºF to 2,000ºF)
- Non-Metallic
- Superior water wash-out resistance
- Superior water spray resistance
- Excellent lubricity
- Prevents galvanic corrosion

TYPICAL APPLICATIONS

- Permits easy assembly and disassembly of mated parts such as bolts, screws, studs, pipe joints, nuts, shafts, bushings, splines, chains, and cables.
- Crane assemblies, ovens, power plant turbine studs, inlet heater assemblies and coal crushers.
- 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.

PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Aluminum complex
Appearance	White paste
Specific Gravity	1.10
Unworked Penetration, ASTM D-217, mm	320
Worked after 60 strokes	322
Flash Point (TCC), ºF	>200
Weight per Gallon, lbs.	9.2

TYPICAL PERFORMANCE PROPERTIES

Torque Tension

Tested on degreased 3/8x16 phosphate & oil bolts and steel nuts in a Skidmore-Wilhelm apparatus. Data reported are the k-factors calculated from torque @ 5,000 lbs and 6,000 lbs tension.

Lubricity "k" Factor	Typical Value
@ 5,000 lbs	0.164
@ 6,000 lbs	0.166

T = K x F x D

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

Typical Performance of Material

	Typical Value
Water washout, ASTM D1264, %	0.33
Corrosion on copper, ASTM D130-94	No visible change
Oil separation, FTM 791, Method 321.3, %	0.94
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 information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results.

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We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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