LOCTITE®

Protection in Extreme Environments

Anti-Seize Lubricants



Henkel Excellence is our Passion

LOCTITE® ANTI-SEIZE LUBRICANTS

Premium quality products, developed to protect metal parts from rust, corrosion, galling and seizing. Formulas available in traditional brush-top bottles, neat and clean semi-solid sticks and NEW easy-to-use brush top tubes, fulfilling nearly every need in the industry.



- Ease assembly and disassembly of slip-fit and threaded joints
- Reduces friction and wear on critical operating equipment
- Formulated for severe environments
- Protects under high temperatures, heavy loads, chemicals and fluids

Henkel also offers a wide variety of penetrants, greases and oils for lasting, general-purpose lubrication or specific applications.

LOCTITE® METAL-FREE FORMULATIONS

A growing concern for all types of industries is the dispersal of “heavy” metals like lead, nickel, zinc and others into the environment.



- Metal-free formulations offer the same performance as traditional products
- Nine metal-free formulas including Marine and Food Grade

NEW!

LOCTITE® ANTI-SEIZE BRUSH-TOP APPLICATOR

The latest package innovation from LOCTITE® is the Anti-Seize Brush Top tube. This new package offers:

- Quick and easy one hand application
- Compact, portable size
- Available in four formulas: Copper, Silver, Heavy Duty and Marine Grade



LOCTITE® Copper-Based and Silver Grade Anti-Seize lubricants now qualified under MIL-PRF-907F.

ANTI-SEIZE SELECTOR CHART

PRODUCT	GENERAL CHARACTERISTICS	SPECIAL FEATURES	INDUSTRIES/APPLICATIONS
General-Purpose			
LOCTITE® LB 8008™ COPPER-BASED ANTI-SEIZE	• Exclusive high temperature formula with copper and graphite in a high-quality grease	• Allows cold weather application to parts for year-round maintenance	• For general-purpose industrial maintenance applications including bolts, bushings, pipes, fittings, flanges, manifolds, nuts, studs, heat exchangers, valves, steam lines, union, retainers and clamps
LOCTITE® LB 8150™ SILVER GRADE ANTI-SEIZE	• Multipurpose high temperature anti-seize	• Equipment repair and general maintenance for long-term assemblies	
LOCTITE® LB 771™ NICKEL ANTI-SEIZE	• Multipurpose high temperature anti-seize lubricant for use in extreme, high temperature applications	• For severe environments, including direct exposure to aggressive chemicals	• For use for all applications listed above and also: • Fasteners in continuous high heat areas, such as those found in steel mills, including usage on oven stands and ladles • Suitable for chemical processing environments, including the pulp and paper industry for chemical pumps and bleaching tank stands
High Performance			
LOCTITE® LB 8009™ HEAVY DUTY ANTI-SEIZE NO METAL	• Nonmetallic formulation for applications requiring a copper- and nickel-free product	• Exceptional protection for stainless steel and titanium	• Exposure to catalyst beds at refineries • Water treatment plants
LOCTITE® LB 8023™ MARINE GRADE ANTI-SEIZE NO METAL	• Protects assemblies exposed directly or indirectly to fresh and salt water • Outstanding water-washout resistance	• Excellent lubricity • Works well in high humidity conditions	• Water treatment plants, quarries • Pumps • Splines, bushings, gears, chains, pins
LOCTITE® LB 8036™ WHITE HI-TEMP ANTI-SEIZE NO METAL	• Extreme high temperature, nonmetallic formulation with a cleaner appearance	• Impressive corrosion and moisture resistance • Can be used on various metals such as copper, brass, cast iron, steel and all alloys	• Food processing ovens, conveyor bushings, sliders, screws, nuts
Specialty			
LOCTITE® LB 8014™ FOOD GRADE ANTI-SEIZE NO METAL	• Meets NSF code H1 standards for incidental food contact	• Prevents seizure, galling and friction in stainless steel and other parts	• Food processing industries • Packaging plants • Breweries, water treatment plants • Hospitals
LOCTITE® LB 8504™ GRAPHITE-50™ ANTI-SEIZE NO METAL	• Highly electrically conductive, nonmetallic anti-seize	• Highly electrically conductive in metal-to-metal joints	• Spark plugs on engines
LOCTITE® LB 8012™ MOLY PASTE NO METAL	• Formulated to protect assemblies during break-in period	• Metal-free formula lubricates assemblies, especially press fits under high static loads withstanding temperatures to 750°F (399°C) • Allows maximum clamping from available torque	• Where high load exposure is constant • Stainless steel applications
LOCTITE® LB 8700™ MOLY-50™ ANTI-SEIZE NO METAL	• Use as thread lubricant where consistent torque values and clamping loads are critical	• Repetitive assembly and disassembly of fasteners • Meets the performance requirements of MIL-PRF-83483	• Equipment assembly and repair • Press and slip fit joints
LOCTITE® LB 8044™ ZINC ANTI-SEIZE NO METAL	• Nonabrasive formula that is recommended for soft metal fittings	• Acts like an internal galvanizer to protect surfaces from corrosion	• Assembly of aluminum, brass and copper materials
High Purity			
LOCTITE® LB 8013™ N-7000™ HIGH PURITY ANTI-SEIZE NO METAL	• Metal-free formula, very high purity and excellent lubrication	• Specially developed for Class 1, 2 and 3 power plant hardware • Temperature resistant to 2400°F (1316°C)	• Nuclear power plants, reactors, steam generators, turbines
LOCTITE® LB N-5000™ HIGH PURITY ANTI-SEIZE	• Nickel-based lubricant that is suitable for use in nuclear reactors and water/steam systems (wetted Class 1 systems)	• Copper-free formulation, below 50 ppm	• Nuclear power plant hardware Class 1, 2, 3 fittings in reactors, steam generators, turbines • Alloy bolting in fossil fuel power plants where minimum chlorides and sulfur are desired
LOCTITE® LB N-5000™ HIGH PERFORMANCE HIGH PURITY ANTI-SEIZE	• Nickel-based, calcium complex fortified anti-seize	• Fortified with calcium complex, offers greater degree of extreme pressure resistance	• Nuclear power plants (Class 1, 2 and 3), particularly good for critical, large joint assembly
LOCTITE® LB N-1000™ HIGH PURITY ANTI-SEIZE	• Copper-based, high purity anti-seize	• Good for use on stainless steel and high nickel alloy bolting assemblies: temperature resistant to 1800°F (982°C)	• Good for use in Class 2 and 3 nuclear facilities on a range of power plant hardware

ANTI-SEIZE PROPERTIES CHART

PRODUCT	ITEM NUMBER	PACKAGE TYPE/SIZE	TEMPERATURE RESISTANCE	COLOR	K-VALUE
General-Purpose					
LOCTITE® LB 8007™ C5-A ANTI-SEIZE	1786073	12 oz. net wt. aerosol	1800°F (982°C)	Copper	0.16
LOCTITE® LB 8008™ C5-A ANTI-SEIZE LUBRICANT Now Qualified Under MIL-PRF-907F	51299 51277 51001 51002 51144 New 1999559 51147 51005 51004 51006 51007 39643 51008 51009 38584 51011	2 g pouch 7 g pouch 1 oz. tube 4 oz. tube 4 oz. brush-top can 7 oz. brush-top tube 8 oz. brush-top can 10 oz. brush-top can 13 oz. cartridge 1 lb. can 1 lb. brush-top can 1 lb. brush-top metal can 2.5 lb. can 8 lb. can 25 lb. pail 42 lb. pail			
LOCTITE® LB 8065™ COPPER ANTI-SEIZE STICK	37229	20 g stick			
LOCTITE® LB 8060™ SILVER GRADE ANTI-SEIZE STICK	37230	20 g stick	1600°F (871°C)	Silver	0.18
LOCTITE® LB 8150™ SILVER GRADE ANTI-SEIZE Now Qualified Under MIL-PRF-907F	38181 80209 New 1999141 76732 76764 80206 76775	7 g pouch 4 oz. brush-top can 7 oz. brush-top tube 8 oz. brush-top can 1 lb. brush-top can 1 gal. can 5 gal. pail			
LOCTITE® LB 8151™ SILVER GRADE ANTI-SEIZE	76759	12 oz. net wt. aerosol			
LOCTITE® LB 771™ NICKEL ANTI-SEIZE	77124 51102 77164 51152 77175	8 oz. brush-top can 1 lb. can 1 lb. brush-top can 8 lb. can 5 gal. pail	2400°F (1316°C)	Silver	0.13
LOCTITE® LB 8507™ NICKEL ANTI-SEIZE	1852753	12 oz. net wt. aerosol			
High Performance					
LOCTITE® LB 8009™ HEAVY DUTY ANTI-SEIZE (NO METAL)	51609 New 1999560 51605 51606 51607 51608	1 oz. tube 7 oz. brush-top tube 9 oz. brush-top can 1.2 lb. brush-top can 2.3 lb. can 45 lb. pail	2400°F (1316°C)	Black	0.16
LOCTITE® LB 8070™ HEAVY DUTY ANTI-SEIZE STICK (NO METAL)	41205	20 g stick			
LOCTITE® LB 8023™ MARINE GRADE ANTI-SEIZE (NO METAL)	New 1999556 34395 34026	7 oz. brush-top tube 8 oz. brush-top can 16 oz. brush-top can	2400°F (1316°C)	Black	0.18
LOCTITE® LB 8036™ WHITE HI-TEMP ANTI-SEIZE (NO METAL)	34517 34518	8 oz. brush-top can 16 oz. brush-top can	2000°F (1093°C)	White	0.16
Specialty					
LOCTITE® LB 8014™ FOOD GRADE ANTI-SEIZE (NO METAL)	1228666 1167237 1169241 1170163	2 oz. tube 8 oz. brush-top can 2 lb. can 40 lb. pail	750°F (399°C)	White	0.13
LOCTITE® LB 8504™ GRAPHITE-50™ ANTI-SEIZE (NO METAL)	51084	1 lb. can	900°F (482°C)	Black	0.13
LOCTITE® LB 8012™ MOLY PASTE (NO METAL)	51048 1852755 51049 51145 1676314†	8 oz. brush-top can 12 oz. net wt. aerosol 1 lb. brush-top can 15 lb. can 55 gal. drum	750°F (399°C)	Black	0.11
LOCTITE® LB 8700™ MOLY-50™ ANTI-SEIZE (NO METAL)	51094 1114937	1 lb. can 8 lb. can	750°F (399°C)	Black	0.13
LOCTITE® LB 8044™ ZINC ANTI-SEIZE (NO METAL)	39901	1 lb. can	750°F (399°C)	Grey	0.15
High Purity					
LOCTITE® LB 8013™ N-7000™ HIGH PURITY ANTI-SEIZE (NO METAL)	51272 51270 51273	8 oz. brush-top can 1 lb. brush-top can 2 lb. can	2400°F (1316°C)	Silver	0.16
LOCTITE® LB N-5000™ HIGH PURITY ANTI-SEIZE	51346 51243 51269 51246 51245	1 oz. tube 8 oz. brush-top can 1 lb. brush-top can 2 lb. can 8 lb. can	2400°F (1316°C)	Silver	0.15
LOCTITE® LB N-5000™ HIGH PERFORMANCE HIGH PURITY ANTI-SEIZE	51572	1 lb. brush-top can	2400°F (1316°C)	Silver	0.15
LOCTITE® LB N-1000™ HIGH PURITY ANTI-SEIZE	51115 51116 51117	8 oz. brush-top can 1 lb. can 2 lb. can	1800°F (982°C)	Copper	0.17

† Made to order

OTHER LOCTITE® LUBRICANT PRODUCTS

LOCTITE® LB 8104™ Food Grade Grease



- Extreme pressure grease
- Temperature resistant to 450°F (232°C)
- Protects after flush-outs and steam cleaning
- NLGI #2 rated

LOCTITE® LB 8017™ Moly Dry Film Lubricant



- Solid film lubricant for sliding surfaces and slow-moving parts
- Temperature resistant up to 750°F (399°C) as a dry film lubricant, 2400°F (1316°C) as an anti-seize
- Won't squeeze out, burn off, or pick up dirt

LOCTITE® LB 8713™ Solvo-Rust® Super Penetrating Oil



- Frees and protects rusted parts
- Will not harm painted surfaces
- Lubricates close-fitting parts
- Contains no ozone-depleting compounds

LOCTITE® LB 8042™ Lithium Grease



- General-purpose lubricating paste
- Formulated for metal-to-metal and metal-to-plastic applications
- Provides corrosion protection
- Contains no ozone-depleting compounds

LOCTITE® LB 8801™ Silicone Lubricant



- Stops sticking, friction, squeaking and binding of moving parts
- Multipurpose, non-gumming
- Waterproofs and electrically insulates
- Contains no ozone-depleting compounds

LOCTITE® LB 8421™ Gear, Chain and Cable Lubricant



- Protects and prolongs the life of gears, chains, wire rope and cable
- Repels dirt, sand and dust with minimal "throw-off"
- Contains no ozone-depleting compounds

PRODUCT	PART NUMBER	CONTAINER	TEMPERATURE RESISTANCE
LOCTITE® LB 8104™ FOOD GRADE GREASE	51252	14.5 oz. cartridge	450°F (232°C)
LOCTITE® LB 8421™ GEAR, CHAIN AND CABLE LUBRICANT	1906177	12 oz. aerosol	—
LOCTITE® LB 8017™ MOLY DRY FILM LUBRICANT	1786074	12 oz. aerosol	750°F (399°C) lubricant 2400°F (1316°C) anti-seize
	39896	1.3 lb. can	
	39897	10 lb. can	
LOCTITE® LB 8801™ SILICONE LUBRICANT	51360	5.3 oz. tube	400°F (204°C)
	81246	13 oz. aerosol	
LOCTITE® LB 8713™ SOLVO-RUST® SUPER PENETRATING OIL	1865406	12.25 oz. aerosol	—
LOCTITE® LB 8042™ LITHIUM GREASE	30530	1.5 oz. tube	380°F (193°C)
	1906122	10.75 oz. aerosol	

LOCTITE®

U.S.A.
Henkel Corporation
Engineering Adhesives
One Henkel Way
Rocky Hill, Connecticut 06067
Tel: 1.800.LOCTITE (562.8483)
Tel: 860.571.5100
Fax: 860.571.5465

Canada
Henkel Canada Corporation
Engineering Adhesives
2515 Meadowpine Blvd.
Mississauga, Ontario L5N 6C3
Tel: 1.800.263.5043 *(within Canada)*
Tel: 905.814.6511
Fax: 905.814.5391

na.henkel-adhesives.com/antiseize

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