



Other Loctite® Lubricant Products

Anti-Seize Lubricants

Protection in Extreme Environments



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.

Several of the **Loctite® Anti-Seize compounds** are ideal for use in applications and plants that prohibit the use of materials containing *heavy metals*. These *metal-free* formulations offer the same performance as traditional anti-seize products and are ideal for all types of industries including marine and food service.



Loctite® Food Grade Grease

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



Loctite® Moly Paste

- Provides maximum lubrication at high temperatures
- Protects equipment during break-in, under high static or slow moving loads, and allows maximum clamping from available torque
- Recommended for extreme pressure and heavy loads
- Contains no ozone-depleting compounds



Loctite® 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® White 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® Silicone Lubricant

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



Loctite® 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



Loctite® Maintain® Lubricant Penetrant

- Rust-preventative spray for all metal parts
- Unfreezes rusted parts
- Useful on steel, aluminum, brass, copper, magnesium and other metals and alloys
- Contains no ozone-depleting compounds



PRODUCT	PART NUMBER	CONTAINER	TEMPERATURE RESISTANCE
LOCTITE® FOOD GRADE GREASE	51252	14.5 oz. cartridge	450°F (232°C)
LOCTITE® GEAR, CHAIN AND CABLE LUBRICANT	81251	12 oz. aerosol	–
LOCTITE® MAINTAIN® LUBRICANT PENETRANT	81204	16 oz. aerosol	–
LOCTITE® MOLY PASTE	51050	12 oz. aerosol	750°F (400°C)
	51048	8 oz. brush-top	
	51049	1 lb. can	
	51145	15 lb. can	
LOCTITE® SILICONE LUBRICANT	81246	13 oz. aerosol	400°F (204°C)
	51360	5.3 oz. tube	
LOCTITE® SOLVO-RUST® SUPER PENETRATING OIL	81252	13 oz. aerosol	–
LOCTITE® WHITE LITHIUM GREASE	30530	1.5 oz. tube	380°F (193°C)

Henkel Corporation
Engineering Adhesives
Rocky Hill, CT 06067
U.S.A.

www.henkelna.com/mro
www.loctite.com/mro

Henkel Corporation
Engineering Adhesives
1001 Trout Brook Crossing
Rocky Hill, CT 06067 U.S.A.
800.562.8483

Henkel Canada Corporation
Engineering Adhesives
2225 Meadowpine Blvd.
Mississauga, Ontario L5N 7P2
905.814.6511
800.263.5043 (within Canada)

Loctite, CS-A, Graphite-50, Maintain, Moly-50, N-5000, QuickStix and Solvo-Rust are trademarks of Henkel Corporation, U.S.A.
© Copyright 2007, Henkel Corporation. All rights reserved. 4313/LT-3683 (02/07)





Anti-Seize Selector Chart



Anti-Seize Lubricants



Loctite® Anti-Seize compounds are a group of premium quality products, developed to protect metal parts from rust, corrosion, galling, and seizing. They ease assembly and disassembly of slip-fit and threaded joints and reduce friction and wear on critical operating equipment. Formulated for severe industrial environments, these products protect against high temperatures, heavy loads, chemicals and fluids.

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

PRODUCT	GENERAL CHARACTERISTICS	SPECIAL FEATURES	INDUSTRIES / APPLICATIONS
General Purpose			
LOCTITE® C5-A® COPPER BASED ANTI-SEIZE	<ul style="list-style-type: none"> Exclusive high temperature formula with copper and graphite in a high quality grease 	<ul style="list-style-type: none"> Allows cold weather application to parts for year-round maintenance 	<ul style="list-style-type: none"> For general purpose industrial maintenance applications including bolts, bushings, pipes, fittings, flanges, manifolds, nuts, studs, heat exchangers, valves, steam lines, unions, retainers, clamps
LOCTITE® SILVER GRADE ANTI-SEIZE	<ul style="list-style-type: none"> Multi-purpose high temperature anti-seize lubricant 	<ul style="list-style-type: none"> Equipment repair and general maintenance for long term assemblies 	
LOCTITE® NICKEL ANTI-SEIZE	<ul style="list-style-type: none"> Multi-purpose high temperature anti-seize lubricant for use in extreme, high temperature applications 	<ul style="list-style-type: none"> For severe environments, including direct exposure to aggressive chemicals 	<ul style="list-style-type: none"> Use for all applications listed above and also: <ul style="list-style-type: none"> Fasteners in continuous high heat areas, such as found in steel mills, including usage on oven stands and ladets Suitable for chemical processing environments, including the pulp and paper industry for chemical pumps and bleaching tank stands
High Performance			
LOCTITE® ZINC ANTI-SEIZE	<ul style="list-style-type: none"> Non-abrasive formula that is recommended for soft metal fittings 	<ul style="list-style-type: none"> Acts like an <i>internal galvanizer</i> to protect surfaces from corrosion 	<ul style="list-style-type: none"> Assembly of aluminum, brass and copper materials
LOCTITE® HEAVY DUTY ANTI-SEIZE	<ul style="list-style-type: none"> Non-metallic formulation for applications requiring a copper and nickel free product 	<ul style="list-style-type: none"> Superior protection for stainless steel and titanium 	<ul style="list-style-type: none"> Exposure to catalyst beds at refineries Water treatment plants
Specialty			
LOCTITE® MARINE GRADE ANTI-SEIZE	<ul style="list-style-type: none"> Protects assemblies exposed directly or indirectly to fresh and salt water Outstanding water wash out resistance 	<ul style="list-style-type: none"> Excellent lubricity Works well in high humidity conditions 	<ul style="list-style-type: none"> Water treatment plants, quarries Pumps Splines, bushings, gears, chains, pins
LOCTITE® FOOD GRADE ANTI-SEIZE	<ul style="list-style-type: none"> Meets NSF code H1 standards for incidental food contact 	<ul style="list-style-type: none"> Prevents seizure, galling, and friction in stainless steel and other parts 	<ul style="list-style-type: none"> Food processing industries Packaging plants Breweries, water treatment plants Hospitals
LOCTITE® MOLY-50™ ANTI-SEIZE	<ul style="list-style-type: none"> Use as thread lubricant where consistent torque values and clamping loads are critical 	<ul style="list-style-type: none"> Repetitive assembly and disassembly of fasteners Meets the performance requirements of MIL-PRF-83483 	<ul style="list-style-type: none"> Equipment assembly and repair Press and slip fit joints
LOCTITE® GRAPHITE-50™ ANTI-SEIZE	<ul style="list-style-type: none"> Highly electrically conductive, non-metallic anti-seize 	<ul style="list-style-type: none"> Highly electrically conductive in metal-to-metal joints 	<ul style="list-style-type: none"> Spark plugs on engines
LOCTITE® WHITE HI-TEMP ANTI-SEIZE	<ul style="list-style-type: none"> Extreme high temperature, non-metallic formulation with a cleaner appearance 	<ul style="list-style-type: none"> Impressive corrosion and moisture resistance Can be used on various metals such as copper, brass, cast iron, steel, and all alloys 	<ul style="list-style-type: none"> Food processing ovens, conveyor bushings, sliders, screws, nuts
High Purity*			
LOCTITE® N-5000™ HIGH PURITY ANTI-SEIZE	<ul style="list-style-type: none"> Nickel based lubricant that is suitable for use in nuclear reactors and water/steam systems (wetted Class 1 systems) 	<ul style="list-style-type: none"> Copper-free formulation, below 50 ppm maximum 	<ul style="list-style-type: none"> 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

*Additional High Purity Lubricants are available. Contact Henkel Technical Service for further information.

Anti-Seize Properties Chart

PRODUCT	PART NUMBER	CONTAINER	TEMPERATURE RESISTANCE	COLOR
General Purpose*				
LOCTITE® C5-A® COPPER BASED ANTI-SEIZE	51001	1 oz. tube	1800°F (982°C)	Copper
	51002	4 oz. tube		
	51144	4 oz. brush-top can		
	51147	8 oz. brush-top can		
	51005	10 oz. brush-top can		
	37229	20 gm stick		
	39222	40 gm stick		
	51003	12 oz. aerosol		
	51004	13 oz. cartridge		
	51006	1 lb. metal can		
	51007	1 lb. brush-top can		
	39643	1 lb. brush-top metal can		
	51008	2.5 lb. can		
	51009	8 lb. can		
	38584	25 lb. pail		
51011	42 lb. pail			
51146	425 lb. drum			
LOCTITE® SILVER GRADE ANTI-SEIZE	80209	4 oz. brush-top can	1600°F (871°C)	Silver
	76732	8 oz. brush-top can		
	37230	20 gm stick		
	39223	40 gm stick		
	76759	12 oz. aerosol		
	76764	1 lb. brush-top can		
	80206	1 gal. can		
76775	5 gal. pail			
LOCTITE® NICKEL ANTI-SEIZE	28182	1 oz. tube	2400°F (1315°C)	Silver
	77124	8 oz. brush-top can		
	51286	12 oz. aerosol		
	51102	1 lb. metal can		
	77164	1 lb. brush-top can		
	51152	8 lb. can		
	77175	5 gal. pail		
	77179	50 gal. drum		
	High Performance*			
LOCTITE® ZINC ANTI-SEIZE LOCTITE® HEAVY DUTY ANTI-SEIZE	39901	1 lb. can	750°F (400°C) 2400°F (1315°C)	Grey Black
	51609	1 oz. tube		
	51605	9 oz. brush-top can		
	41205	20 gm stick		
	51606	1 lb. brush-top can		
	51607	2 lb. can		
	51608	45 lb. pail		
Specialty*				
LOCTITE® MARINE GRADE ANTI-SEIZE	34395	8 oz. brush-top can	2400°F (1315°C)	Black
	34026	1 lb. brush-top can		
LOCTITE® FOOD GRADE ANTI-SEIZE	51168	8 oz. brush-top can	750°F (400°C)	White
LOCTITE® MOLY-50™ ANTI-SEIZE	51094	1 lb. can	750°F (400°C)	Black
LOCTITE® GRAPHITE-50™ ANTI-SEIZE	51084	1 lb. can	900°F (482°C)	Black
LOCTITE® WHITE HI-TEMP ANTI-SEIZE	34518	1 lb. brush-top can	2000°F (1093°C)	White
High Purity**				
LOCTITE® N-5000™ HIGH PURITY ANTI-SEIZE	51346	1 oz. tube	2400°F (1315°C)	Silver
	51243	8 oz. brush-top can		
	51269	1 lb. brush-top can		
	51246	2 lb. can		
	51245	8 lb. can		

*Additional High Purity Lubricants are available. Contact Henkel Technical Service for further information.

**Additional sizes are available. Contact Henkel Customer Service for further information.