



Other Loctite® Lubricant Products



Anti-Seize Lubricants Protection in Extreme Environments



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
- Multipurpose, 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



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. brush-top	
	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	12.25 oz. aerosol	–
LOCTITE® WHITE LITHIUM GREASE	30530	1.5 oz. tube	380°F (193°C)

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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 in 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.





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, union, retainers and clamps
LOCTITE® SILVER GRADE ANTI-SEIZE	<ul style="list-style-type: none"> Multipurpose high temperature anti-seize 	<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"> Multipurpose 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"> For 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 ladles Suitable for chemical processing environments, including the pulp and paper industry for chemical pumps and bleaching tank stands
High Performance			
LOCTITE® HEAVY DUTY ANTI-SEIZE	<ul style="list-style-type: none"> Nonmetallic 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
LOCTITE® MARINE GRADE ANTI-SEIZE	<ul style="list-style-type: none"> Protects assemblies exposed directly or indirectly to fresh and salt water Outstanding water washout 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® WHITE HI-TEMP ANTI-SEIZE	<ul style="list-style-type: none"> Extreme high temperature, nonmetallic 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
Specialty			
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® GRAPHITE-50™ ANTI-SEIZE	<ul style="list-style-type: none"> Highly electrically conductive, nonmetallic 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® MOLY PASTE	<ul style="list-style-type: none"> Formulated to protect assemblies during break-in period 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Where high load exposure is constant Stainless steel applications
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® ZINC ANTI-SEIZE	<ul style="list-style-type: none"> Nonabrasive 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
High Purity			
LOCTITE® N-7000™ HIGH PURITY ANTI-SEIZE	<ul style="list-style-type: none"> Metal-free formula, very high purity and excellent lubrication 	<ul style="list-style-type: none"> Specially developed for class 1, 2 and 3 power plant hardware Temperature resistant to 2400°F (1316°C) 	<ul style="list-style-type: none"> Nuclear power plants, reactors, steam generators, turbines
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 	<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
LOCTITE® HIGH PERFORMANCE N-5000™ HIGH PURITY ANTI-SEIZE	<ul style="list-style-type: none"> Nickel-based, calcium complex fortified anti-seize 	<ul style="list-style-type: none"> Fortified with calcium complex, offers greater degree of extreme pressure resistance 	<ul style="list-style-type: none"> Nuclear power plants (class 1, 2 and 3), particularly good for critical, large joint assembly
LOCTITE® N-1000™ HIGH PURITY ANTI-SEIZE	<ul style="list-style-type: none"> Copper-based, high purity anti-seize 	<ul style="list-style-type: none"> Good for use on stainless steel and high nickel alloy bolting assemblies: Temperature resistant to 1800°F (982°C) 	<ul style="list-style-type: none"> 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	C5-A® COPPER ANTI-SEIZE LUBRICANT	51299	2 g pouch	1800°F (982°C)	Copper	0.16	
		51277	7 g pouch				
	51001	1 oz. tube					
	51002	4 oz. tube					
	51144	4 oz. brush-top can					
	51147	8 oz. brush-top can					
51005	10 oz. brush-top can						
51003	12 oz. net wt. aerosol						
51004	13 oz. cartridge						
51006	1 lb. 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						
	QUICKSTIX® C5-A® COPPER ANTI-SEIZE	37229	20 g stick				
		39222	40 g stick				
	SILVER GRADE ANTI-SEIZE	38181	7 g pouch	1600°F (871°C)	Silver	0.18	
		80209	4 oz. brush-top can				
		76732	8 oz. brush-top can				
		76759	12 oz. net wt. aerosol				
		76764	1 lb. brush-top can				
		80206	1 gal. can				
		76775	5 gal. pail				
	QUICKSTIX® SILVER GRADE ANTI-SEIZE	37230	20 g stick				
		39223	40 g stick				
	NICKEL ANTI-SEIZE	77124	8 oz. brush-top can	2400°F (1315°C)	Silver	0.13	
		51286	12 oz. net wt. aerosol				
		51102	1 lb. can				
		77164	1 lb. brush-top can				
		51152	8 lb. can				
		77175	5 gal. pail				
High Performance	HEAVY DUTY ANTI-SEIZE	51609	1 oz. tube	2400°F (1315°C)	Black	0.16	
		51605	9 oz. brush-top can				
		51606	1.2 lb. brush-top can				
		51607	2.3 lb. can				
		51608	45 lb. pail				
		QUICKSTIX® HEAVY DUTY ANTI-SEIZE	41205				20 g stick
	MARINE GRADE ANTI-SEIZE	34395	8 oz. brush-top can	2400°F (1315°C)	Black	0.18	
		34026	16 oz. brush-top can				
	WHITE HI-TEMP ANTI-SEIZE	34517	8 oz. brush-top can	2000°F (1093°C)	White	0.16	
		34518	16 oz. brush-top can				
Specialty	FOOD GRADE ANTI-SEIZE	1167237	8 oz. brush-top can	750°F (400°C)	White	0.13	
		1169241	2 lb. can				
		1170163	40 lb. pail				
		GRAPHITE-50™ ANTI-SEIZE	51084	1 lb. can	900°F (482°C)	Black	0.13
		MOLY PASTE	51050	12 oz. net wt. aerosol	750°F (400°C)	Black	0.11
		51048	8 oz. brush-top can				
		51049	1 lb. brush-top can				
		51145	15 lb. can				
	MOLY-50™ ANTI-SEIZE	51094	1 lb. can	750°F (400°C)	Black	0.13	
	ZINC ANTI-SEIZE	39901	1 lb. can	750°F (400°C)	Grey	0.15	
High Purity	N-7000™ HIGH PURITY ANTI-SEIZE	51272	8 oz. brush-top can	2400°F (1315°C)	Silver	0.16	
		51270	1 lb. brush-top can				
		51273	2 lb. can				
		N-5000™ HIGH PURITY ANTI-SEIZE	51346	1 oz. tube	2400°F (1315°C)	Silver	0.15
			51243	8 oz. brush-top can			
		51269	1 lb. brush-top can				
		51246	2 lb. can				
		51245	8 lb. can				
	HIGH PERFORMANCE N-5000™ HIGH PURITY ANTI-SEIZE	51572	1 lb. brush-top can	2400°F (1315°C)	Silver	0.15	
	N-1000™ HIGH PURITY ANTI-SEIZE	51115	8 oz. brush-top can	1800°F (982°C)	Copper	0.17	
		51116	1 lb. can				
		51117	2 lb. can				