



JET-LUBE®

**INDUSTRIAL
PRODUCT CATALOG**

jetlube.com

*The place to go to get Safety, Tech
and Product Data Sheets (SDS/TDS/
PDS), product information, company
news and more.*





With more than 75 years of research with development, testing and manufacturing, Jet-Lube® has a broad line of products for Industrial, MRO, Marine, Food Grade and OEM applications. These products include Anti-Seize Compounds, Greases, Thread and High Temperature Sealants, Lubricants (Open Gear & Wire Rope), Epoxies, Coatings, Penetrants, General-Purpose Lubricants and Cleaners.

Every Jet-Lube product is meticulously developed, manufactured, and inspected to the industry's most comprehensive and rigorous quality control standards. Jet-Lube products are manufactured in an ISO 9001:2015 and ISO 14001:2015 Facility. Headquartered in the United States and facilities in Canada and the United Kingdom. Jet-Lube has earned its place as an established leader worldwide in the lubrication industry.

Whatever your application, Jet-Lube has the right product to solve your lubrication needs. Through our experienced R&D lab, Jet-Lube has the ability to create customized products for unique conditions, environmental regulations and to meet the toughest application requirements.

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Jet-Lube anti-seize compounds are a family of premium products developed to protect and lubricate metal fasteners and parts from rust, corrosion, galling and metal-to-metal contact. Jet-Lube anti-seize products contain high percentages of copper, nickel or moly flake in an extreme temperature, chemical resistant, base grease. This exclusive grease base suspends all of the components for each type of anti-seize in a uniform configuration that allows proper particle distribution necessary to plate on the surface of the threaded part under load. This plating action of components is a key factor for reaching proper torque loads and will aid in the disassembly of the fastener without damage. This type of engineering and technology is what sets Jet-Lube products apart from the competition.

ASTM Specifications for Compatibility

ASTM A307	Carbon steel externally threaded standard fasteners
ASTM A449	Quenched and tempered steel bolts and studs
ASTM A354	Quenched and tempered alloy steel bolts, studs and other fasteners
ASTM A193/A193M	Alloy steel and stainless steel bolting materials for high-temp service
ASTM A320/A320M	Alloy steel and stainless steel bolting materials for high-temp service
ASTM F593	Stainless steel bolts, hex cap screws and studs for general use
ASTM F468	Nonferrous bolts, hex cap screws and studs for general use
ASTM F468	Stainless steel bolts, hex cap screws and studs for general use
ASTM A194/194M	Carbon and alloy steel nuts and bolts for high pressure and high-temp service
ASTM F594	Stainless steel nuts
ASTM F467	Nonferrous nuts for general use
ASTM F633	Electrodeposited coatings of zinc on iron and steel
ASTM F153	Zinc coating (hot dip) on iron and steel hardware
ASTM F695	Coatings of zinc mechanically deposited on iron and steel
ASTM F696	Coatings of cadmium mechanically deposited on iron and steel

ANTI-SEIZES AND THREAD LUBRICANTS

KOPR-KOTE® ANTI-SEIZE Copper Anti-Seize and Thread Lubricant

-65°F to 1800°F (-54°C to 982°C) • NSF H2 Registered (Bulk) • MIL-PRF-907F • Raytheon-Spec M8656839 Type II • Load Rating -80,000 psi • K-Factor 0.15 • 10% Pure Metallic Copper Flake • Lead/Zinc Free • No VOC's • NSN #8030-01-239-8703 • Available in Bulk & Aerosol form



KOPR-KOTE ANTI-SEIZE is a combination of copper flake, graphite and other extreme pressure additives, blended into a food grade grease base that helps properly distribute all the components on the surface of the fastener or the metal surface needing lubrication. This particle distribution is necessary to achieve the 0.15 K-Factor and aids in the break out process by reducing metal-to-metal contact that can cause friction, heat and damage to the threaded surface.

550® Nonmetallic Anti-Seize and Thread Lubricant

-65°F to 2400°F (-54°C to 1316°C) • MIL-PRF 907F • Load Rating - 50,000 psi • K-Factor 0.17 • Highly Concentrated Blend of Molybdenum Disulfide & Graphite • No VOC



550 blend of MoS₂ (Molybdenum Disulfide) and graphite in a high temperature grease carrier, makes this multi-purpose extreme pressure anti-seize lubricant especially effective under high loads and pressures up to 50,000 psi. This unique blend of inert materials makes 550 compatible with all materials where nickel and copper have compatibility related issues. Low coefficient of friction makes 550 a good choice for rough cut threads made of cast iron, black steel and it's specially suited for high nickel alloys as a thread lubricant.

550® EXTREME®

Low "E" Nonmetallic Anti-Seize and Thread Lubricant

Select Applications/Services: 2400°F (1316°C) • Brushable to or as a lubricant: -10°F (-23°C) • Static Applications: -265°F (-165°C)** (**Based on component literature data in cryogenic applications.) • MIL-PRF 907F • Raytheon Spec M8656839 Type II • Blend of Molybdenum Disulfide & Special Oxidation Resistant Graphite • No VOC



K-Factor

- 1" Uncoated" B7 Studs @ 80 ksi 0.15
- 1" Uncoated" B7 Studs @ 50 ksi 0.18
- 1" Uncoated" B7 Studs @ 30 ksi 0.19

550 EXTREME anti-seize compound is an enhanced formulation of our 550 product. 550 EXTREME is the ideal product for petrochemical plant maintenance needs. Its homogeneous composition offers maximum protection against seizure and heat freeze, eases assembling and dismantling, and saves maintenance hours. This anti-seize lubricant assures protection against rust, oxidation, and corrosion. It will not harden, evaporate, or settle out; and it requires no thinning. In addition to MoS₂ (Molybdenum Disulfide), graphite, and low friction fillers, 550 EXTREME utilizes a complex grease base that is fortified with effective rust and corrosion inhibitors and inherent anti-wear properties.

As an added benefit, when compared to other anti-seize compounds containing greater than 40% MoS₂ (Molybdenum Disulfide), the coefficient friction of 550 EXTREME is less sensitive to temperature.

550® EXTREME® ALL-WEATHER Nonmetallic Anti-Seize and Thread Lubricant

Select Applications/Services: 2400°F (1316°C) • Brushable to or as a lubricant: -50°F (-46°C) • Static Applications: -265°F (-165°C)** • MIL-PRF-907F • Blend of Molybdenum Disulfide & Special Oxidation Resistant Graphite • No VOC

K-Factor

- 1" Uncoated" B7 Studs @ 80 ksi 0.16
- 1" Uncoated" B7 Studs @ 50 ksi 0.17
- 1" Uncoated" B7 Studs @ 30 ksi 0.18

550 EXTREME ALL-WEATHER offers the same performance and package of solid lubricants, such as 550 EXTREME but with a new and advanced synthetic grease base carrier. This grease offers exceptional brushability down to -40°F/-40°C and carries a flash point of over 500°F/260°C.

For an anti-seize compound to work effectively, it needs to be properly applied to the threads. Standard petroleum oils will harden significantly below 10°F/-12°C making this application difficult. 550 EXTREME ALL-WEATHER's base grease is a blend of synthetic fluids with pour points no higher than -50°F /-46°C, thickened with a calcium sulfonate complex to provide better rust and corrosion protection. This unique combination makes for an excellent product in low temperature environments but equally as good in high temperatures.



SS-30™ EXTREME Anti-Seize Thread Lubricant and Conductive Termination Compound

-65°F to 1800°F (-54°C to 982°C) • Clay Grease Thickener • MIL-PRF-907F • Load Rating - 80,000 psi • K-Factor .13 • 30% Pure Copper Flake • No VOC • NSN #8030-00-180-6315 • Conductive Rating - 8kv



SS-30 Extreme is 30% high purity/refined copper flake, mixed in a high temperature, non-melt, grease base formula that not only aids in conductivity, but will work ideally as an anti-seize compound for threaded fasteners and cable connections. SS-30 Extreme literally copper plates mated surfaces to improve conductivity or ground continuity. The same is true for threaded fasteners. The highly concentrated copper flake works as a copper plating material under load or compression to work as a dissimilar metal between surfaces, which is a key factor for an anti-seize compound to perform properly.

SILVER PLUS REGULAR Anti-Seize and Thread Lubricant

-65°F to 1800°F (-54°C to 982°C) • K-Factor .16 • 15% Pure Metallic • MIL-PRF-907F • Content (Copper & Aluminum) • No VOC

SILVER PLUS REGULAR is a heavy-duty blend of aluminum, copper and graphite lubricant in a petroleum grease base. It is a nondrying, soft-set anti-seize, specially formulated to work with aluminum, carbon steel, black iron and rough cut threads. SILVER PLUS REGULAR protects metal parts from rust corrosion, seizing and galling up to 1800°F (982°C). The micro-sized particles produce a smooth consistency and allow it to quickly coat fine threads, and small and large diameter fasteners. The metallic components make it very conductive. Since the primary anti-seize particle is aluminum, it eliminates the potential for galvanic corrosion.



NIKAL®

Pure-Nickel Extreme Temp Anti-Seize and Thread Lubricant

-65°F to 2600°F (-54°C to 1427°C) • MIL-PRF-907F • Load Rating - <100,000 psi • K-Factor 0.15 • 20% Pure Nickel Flake • No VOC

NIKAL, a graphite free, pure-nickel formula, is an inert anti-seize specially formulated where ammonia acetylene or vinyl monomers are present. NIKAL will not contaminate catalyst beds. This blend contains flake particles of pure nickel and other additives blended in a high temperature, complex grease carrier found to enhance anti-seize performance. This formula is recommended for use when applications prohibit the use of copper products.



NIKAL® NUCLEAR

Pure-Nickel Extreme Temp Anti-Seize and Thread Lubricant

-65°F to 2600°F (-54°C to 1427°C) • Synthetic Grease Thickener • MIL-PRF 907F • Load Rating - <100,000 psi • K-Factor 0.15 • 20% Pure Nickel Flake • No VOC

Nikal Nuclear is specially tested and certified pure for use in nuclear power plants and applications where a class 1, 2 or 3 non-wetted application for auxiliary equipment in nuclear and fossil power plants is required. Certified test results are provided with each production lot of product. Each lot is tested for contaminants of sulfur, halogens and low-melt components, which is required by NRC.



MOLY PETROLATUM

Anti-Seize Compound

-65°F to 800°F (-54°C to 427°C) • MIL-T-83483B • NSN #8030-00-087-8630 • K-Factor 0.13 • Prevents Galvanic Corrosion

The intended use of Moly Petrolatum compound is to prevent seizing during assembly and disassembly of threaded fasteners and fittings at temperatures below 800°F and to meet and exceed the requirements of military specification MIL-T-83483B for aircraft assembly facilities. It also provides corrosion protection for metal surfaces.



GRAPHITE PETROLATUM

Anti-Seize Thread Compound

-65°F to 900°F (-54°C to 482°C) • SAE-AMS-2518 (formerly MIL-T-5544C) • NATO Stock No. 9150-99-910-0528 • NSN #8030-01-5034 • K-Factor 0.13 • Prevents Galvanic Corrosion

Graphite Petrolatum is manufactured to conform to the requirements of military specification AMS-2518 (formerly MIL-T-5544C). This anti-seize is particularly suitable for use in contact with austenitic stainless steel, titanium, nickel and cobalt alloys.

Graphite Petrolatum can be used to prevent seizing during assembly or disassembly of aircraft engine spark plugs, and threaded fasteners and fittings.



ZINC DUST PETROLATUM

Anti-Seize Compound

-65°F to 788°F (-54°C to 420°C) • CID A-A59313 (formerly MIL-T-22361) • NSN #8030-00-292-1102 • K-Factor 0.13 • Prevents Galvanic Corrosion

Zinc Dust Petrolatum is manufactured to conform to the requirements of military specification CID A-A-59313. The intended use of this compound is to prevent seizing during assembly or disassembly of threaded components fabricated from aluminum or its alloys. It also provides corrosion protection for metal surfaces. A thin coating is all that is required to prevent seizing.



WHITE KNIGHT™

Food Grade Anti-Seize Thread Lubricant

-65°F to 1800°F (-54°C to 982°C) • Color - White • NSF H1 Registered • FDA REG: CFR 21 part 178.3570 • MIL-PRF 907F • Load Rating - 80,000 psi • No Metallic Content • Kosher and Halal certified • K-Factor 0.14

White Knight is a nondrying, synthetic fortified thread lubricant. It protects and lubricates metal parts and threaded fasteners from rust and corrosion up to 1800°F (982°C). White Knight incorporates the bacterial fungi static agent propyl paraben which is widely used in the food lubricant industry.

Ideal for use on threaded fasteners for food processing equipment, threaded bottle filling heads, and baking oven chain drives. WHITE KNIGHT is also effective on stainless steel, aluminum, iron galvanized fittings and plastic/nylon components.



MARINE GRADE ANTI-SEIZE

Anti-Seize Thread Lubricant and Corrosion Inhibitor

-65°F to 2600°F (-54°C to 1427°C) • Load Rating - 80,000 psi • 3% Pure Metallic Copper Flake • No VOC • Not Classified as a Marine Pollutant • K-Factor 0.15 • NSF 61

Marine Grade Anti-Seize contains micro-sized copper flake and graphite in a highly water-resistant complex grease base specially formulated for marine environments. It contains antioxidants and corrosion inhibitors to ensure extra protection in extreme marine conditions. This unique product prevents rust, galling and galvanic corrosion in salt water environments and wherever high moisture is present.



ANTI-SEIZES AND THREAD LUBRICANTS

Product	Specifications	Temperature Range	K-Factor	NSF	Marine Grade	Recommended ASTM Specs	Features
Kopr-Kote® Anti-Seize	Exceeds MIL-PRF-907F	-65°F to 1800°F -54°C to 982°C	0.15	H2		A307, A354, A193/A193M, A320/A320M, AF468, A563, F467	Ideal for high-temp, stress and load applications. Not recommended for aluminum fittings and fasteners.
550®	Exceeds MIL-PRF-907F	-65°F to 2400°F -54°C to 1316°C	0.17			A307, A449, A193/A193M, A320/A320M, F593, Ax563, A194/A194M, F594, F467, A153, B690, B696	General purpose, water resistant lubricant for use on steel, aluminum and cast iron.
550® Extreme	Exceeds MIL-PRF-907F	2400°F (1316°C) -50°F (-46°C) -265°F (-165°C)**	1" Uncoated B7 Studs @ 80 ksi 0.15 1" Uncoated B7 Studs @ 50 ksi 0.18 1" Uncoated B7 Studs @ 30 ksi 0.19			A307, A449, A193/A193M, A320/A320M, F593, Ax563, A194/A194M, F594, F467, A153, B690, B696	Enhanced formulation of 550 to better enable assembly and dismantling of threaded connections. General purpose, water resistant lubricant for use on steel, aluminum and cast iron.
550® Extreme All -Weather	Exceeds MIL-PRF-907F	2400°F (1316°C) -50°F (-46°C) -265°F (-165°C)**	1" Uncoated" B7 Studs @ 80 ksi 0.16 1" Uncoated" B7 Studs @ 50 ksi 0.17 1" Uncoated" B7 Studs @ 30 ksi 0.18			A307, A449, A193/A193M, A320/A320M, F593, Ax563, A194/A194M, F594, F467, A153, B690, B696	Same performance and package of solid lubricants, such as 550 EXTREME but with a new and advanced synthetic grease base carrier. This grease offers exceptional brushability down to -40°F/-40°C and carries a flash point of over 500°F/260°C.
SS-30™ Extreme	Exceeds MIL-PRF-907F	-65°F to 1800°F -54°C to 982°C	0.13			A307, A354, A193/A193M, A320/A320M, F468, A563, F467	Designed for stainless steel Extreme applications in high-temp environments (above 500°F).
Silver Plus Regular	Exceeds MIL-PRF-907F	-65°F to 1800°F -54°C to 982°C	0.16			A307, A354, A193/A193M, A320/A320M, F468, A563, F467	Micro-sized particles allow it to quickly and easily coat fine-threaded, small and large diameter fasteners.
Nikal®	Exceeds MIL-PRF-907F	-65°F to 2600°F -54°C to 1427°C	0.15			A193/A193M, A563, A194/A194M, B633, A153, B696	Used whenever ammonia, acetylene or vinyl molomers are present. Will not contaminate catalyst beds.
Nikal® Nuclear	MIL-PRF-907F	-65°F to 2600°F -54°C to 1427°C	0.15				Specially tested and certified pure for nuclear power plants. Certified test results are provided with each production lot of product.
Moly Petrolatum	MIL-T-83483B	-65°F to 800°F -54°C to 427°C	0.13				Contains MoS2 for high-temp applications.
Graphite Petrolatum	SAE-AMS-2518 (formerly MIL-T-5544C)	-65°F to 900°F -54°C to 482°C	0.13				Particularly suitable for contact with austenitic steels, titanium, nickel and cobalt alloys, and similar corrosion resistant metals and alloys.
Zinc Dust Petrolatum	CID A-A59313 (formerly MIL-T-22361)	-65°F to 800°F -54°C to 427°C	0.13				Prevents seizing of threaded components made from aluminum and its alloys.
White Knight™	MIL-PRF-907F FDA CFR21, Part 178.3570	-65°F to 1800°F -54°C to 982°C	0.14	H1			Ideal for incident food contact applications. Kosher and Halal certified.
Marine Grade Anti-Seize		-65°F to 2600°F -54°C to 1427°C	0.15	61	Yes		Extra protection in extreme and adverse marine conditions.

Lithium / Lithium Complex

EP BEARING GREASE™ Industrial Grade Multipurpose Grease

0°F to 325°F (-18°C to 163°C) • Superior Rust & Corrosion Protection • Dropping Point - 390°F (199°C)
• Lithium 12-Hydroxystearate Base • Color - Purple • Highly Adhesive to Metal • NLGI Grade 2

EP BEARING GREASE is an all-purpose lithium grease containing extreme-pressure and boundary lubricants. The additive package enhances the shear stability, lubrication properties and high temperature characteristics of lithium-based grease, making EP BEARING GREASE a versatile, cost-efficient, multipurpose grease.

EP BEARING GREASE is water resistant, highly tenacious, and has excellent resistance to the effects of salt spray, heat, water, oxidation, high loads and other adverse conditions common to industrial usage. It is a stable, high-temperature grease.

Specially formulated for use on roller bearings, anti-friction bearings, journals, and is particularly useful where a single, multipurpose product is desirable.

#202 MOLY-LITH™ Multipurpose Grease with MoS2

-20°F to 350°F (29°C to 177°C) • NLGI Grade 2 • Contains Molybdenum Disulfide for Friction Reduction & High Load Capacity • Superior Metal Adhesion • Pumpable • Resistant to Water, Heat, Weathering & Oxidation • Color - Black

#202 MOLY-LITH is a high temperature, lithium 12-hydroxystearate soap grease containing micro-fine MoS2 (Molybdenum Disulfide). #202 MOLY-LITH has a dropping point of 390°F (199°C), is water resistant and displays excellent work stability under high loads, high speeds, shock and vibration.

#202 MOLY-LITH has exceptional resistance to the effects of heat, water, weathering, oxidation and heavy loads. It contains rust, corrosion and oxidation inhibitors. #202 MOLY-LITH gives unbeatable protection anywhere that dirt, dust, high humidity, rain and adverse temperatures are critical problems.

#202 MOLY-LITH is recommended for automotive and industrial applications, including all grease fittings where semi-solid or plastic consistency grease is normally used. Also for use in grease cups, pre-sealed bearings and for general chassis lubrication.

JET-RED™ Premium Multipurpose Grease

EP1 -10°F to 300°F (-23°C to 149°C) | EP2 0°F to 400°F (-18°C to 204°C) • Highly versatile • Protects against rust and corrosion • Pumpable • Highly adhesive to metal • Resistant to heat, water, oxidation and heavy loads • High film strength • DN speeds up to 200,000 • Color - Red • NLGI Grade 1 & 2

Versatile, high-temperature lithium complex grease designed to meet a wide range of lubrication needs. JET-RED offers superior protection in environments with dirt, dust, high humidity, rain, snow, and extreme temperatures due to its high dropping point and exceptional resistance to heat, water, oxidation, and heavy loads. This multipurpose grease is specially formulated to provide lubrication for bearings, journals, and other greasing applications. Its versatility makes it ideal for use in oil drilling, construction, road building, mining, shipbuilding, and any other application that requires high-quality lubrication.



JET-PLEX-EP™ Premium Multipurpose Grease

14°F to 572°F (-10°C to 300°C) • Dropping Point: >550°F (288°C) • Will Not Run or Pound Out • Pumpable Hot or Cold • Extremely Resistant to Rust & Oxidation • Color - Red • Available in NLGI 2 Grades

JET-PLEX-EP is the ideal multipurpose grease for use in extreme pressure and high temperature operating conditions. JET-PLEX-EP is manufactured from carefully selected petroleum oils and lithium complex soap to create a multipurpose grease with a dropping point of 550°F (288°C). JET-PLEX-EP has excellent resistance to water and water washout. JET-PLEX-EP is formulated with special lubricity, anti-wear, and extreme pressure additives and fortified with rust, corrosion and oxidation inhibitors.

CB-2™ Multipurpose Grease

0°F to 300°F (-18°C to 149°C) • Protects Against Rust & Corrosion • Pumpable • Highly Adhesive to Metal • Resistant to Heat, Water, Oxidation & Heavy Loads • High Film Strength • Color - Amber • Available in various NLGI Grades

CB-2 SUPER-LITH is specifically formulated for use on fast running bearings, anti-friction bearings, journals and all general greasing applications where a single, multipurpose product is desired for economy, simplification of inventory and greasing equipment. CB-2 SUPER-LITH may be used on fans, blowers, pumps, conveyor bearings, drive trains, ball bearings, journal bearings, roller bearings, screw jacks, universal joints and all other lubrication points that have sliding or rolling friction and require a multipurpose grease. This grease can be used on oil drilling rigs, construction and road building equipment, mining and ship building activities, or wherever an exceptionally high-quality lubricant is needed.

WHITE LITHIUM GREASE Premium Grease with PTFE

0°F to 370°F (-18°C to 190°C) • NSF H2 Registered • Color - White • Water Resistant • Prevents Rust & Corrosion • Pumpable • Resists Heat and Oxidation • NLGI Grade 2

WHITE LITHIUM GREASE with PTFE penetrates and forms a longlasting protective film to withstand heavy loads and high speeds, prevents rust and corrosion, eliminates squeaks and squeals and will not run or wash away. WHITE LITHIUM GREASE with PTFE is excellent for all metal-to-metal lubrication.

Industrial - machinery, tools, overhead garage door channels, fan motors, slides, gears, etc.

Marine - cables, couplings, gears, hitches, winches, etc.

Automotive - hinges, electric antennas, latches, springs, coils, etc.

Residential - implements, door channels, slides, locks, etc.

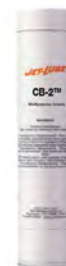
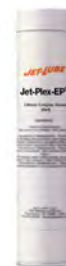
Food Service - all areas without direct food contact.

EP WHITE GREASE Construction Grade Lithium Grease

0°F to 325°F (-18°C to 163°C) • MIL-G-18458B (SH) • Color - White • Nonstaining • High Temperature • Water Resistant • Anti-Corrosive • Nondrying • NLGI Grade 2

EP WHITE GREASE is specially formulated to meet the ever-increasing requirements for high film strength, higher operating temperatures, greater stability and longer lubricant life.

EP WHITE GREASE is a shear stable, noncorrosive, extreme pressure, water resistant lubricant for both plain and anti-friction bearings, gears, cams and slides. This lithium grease is excellent for concrete assembly. The nonstaining formula is recommended for expansion joints and construction applications. EP WHITE GREASE is also highly recommended as a bearing lubricant for electrical motors, spindles and other mechanical devices when low torque, high speeds and long life are essential.



GREASES

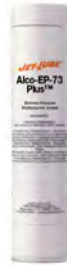
Aluminum Complex

ALCO-EP-73 PLUS™ Premium Multipurpose Grease

-25°F to 450°F (-32°C to 232°C) • Superior Rust & Corrosion Protection • Dropping Point > 500°F (260°C) • Polymer Additives for Extreme Water Resistance • Color - Red • Exceeds Military Spec MIL-G-18458B-SH

ALCO-EP-73 PLUS is a premium, state-of-the-art, multi-purpose, aluminum complex grease containing a highly synergistic blend of rust and oxidation inhibitors plus extreme pressure and anti-wear additives for maximum performance characteristics.

ALCO-EP-73 PLUS also contains polymer additives, further enhancing the inherent water resistance of an aluminum complex based grease. This multipurpose grease is extremely resistant to rust and corrosion and suited for use in high moisture areas. It's specially formulated and developed for subsea or other conditions where extreme water resistance is necessary. The highly developed additive package makes ALCO-EP-73 PLUS the premier, multipurpose grease for hostile environments.

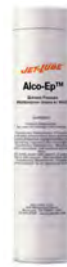


ALCO-EP™ Premium Multipurpose Grease with MoS2

-25°F to 450°F (-32°C to 232°C) • Protects Against Rust & Corrosion • Dropping Point 500°F (260°C) • Protects Against Extreme Pressure, Shock Load, Welding & Scoring • Forms a Protective Barrier to Reduce Wear & Extend Service Life

ALCO-EP premium multipurpose grease is a versatile, aluminum complex grease with a high level of rust and oxidation inhibitors, as well as CZ-EX®, Jet-Lube's extreme pressure additive. ALCO-EP also contains MoS2 (Molybdenum Disulfide) and graphite, which plate out to resist metal-to-metal contact.

This grease provides superior wear protection against extreme pressure and is highly water resistant. Its 60 pound rating in the Timken Load Test proves ALCO-EP has excellent load-carrying ability. ALCO-EP is designed for friction and anti-friction bearings, bushings, chassis points, U-joints, pivot pins, and a wide range of other industrial, fleet and equipment applications.



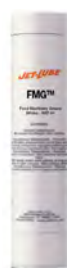
FMG™ Food Machinery Grease

(NLGI 1&2) 0°F to over 400°F (-18°C to over 204°C) • (NLGI 0) -25°F to 300°F (-32°C to 155°C) with daily re-greasing. WIDE TEMPERATURE OPERATING RANGE • NSF H1 Registered • Resists Pound Out • Bacteriostatic Agent • Anti-wear Additives • Color - White • Kosher and Halal certified

FMG is specifically designed for use in the food processing industry where it may have incidental food contact. FMG has been formulated to perform in a wide variety of operating conditions.

It is extremely water resistant and will remain in place even after frequent wash downs.

FMG's polymer additives provide adhesive/cohesive strength to protect against pound-off when shock loads are encountered. FMG is recommended for the lubrication of roller, needle, ball, journal, and sliding bearings in the food processing and handling industry.



KILN GREASE HT™ Extreme-Service Grease with PTFE

0°F to 500°F (-18°C to 260°C) • Extremely Resistant to Heat & Oxidation • Superior water resistance • Excellent Shear Stability - will not run or pound out • Resists wear • Dropping Point >540°F (260°C) • Protects Against High Loads, Shock, Welding & Scoring • Color - Green

KILN GREASE HT is a premium lubricant formulated using a high viscosity, severely refined base oil. This grease is ideal for use in kiln bearings, steel mills, pulp and paper mills, or in any severe service application where temperature, water washout and contamination, extreme loads or a combination of these factors are present.

For grease lubricated roll neck bearings on blooming, billet, slabbing, bar, plate and other mills in the steel industry. Ideal for low speed, plain bearing and sliding surface applications operating under marginal or boundary lubrication conditions; as well as backup or work-roll and table bearings and ball, roller and plain bearings.

Also excellent for high temperature applications such as oven fan motor bearings, furnace car wheel bearings, annealing furnaces, drying ovens, sintering plants, kilns and soaking pits. Exceptional for use in paper mill bearings operating under wet and/or hot conditions.



Calcium

ARCTIC™ Extreme Low-Temp Grease

-65°F to 225°F (-54°C to 107°C) • Dropping Point 285°F (141°C) • Contains No Solid Additives • NSF H2 Registered • Extremely Resistant to Salt Spray • All Temperature Formula Effective Winter or Summer • Water Resistant • Rust & Corrosion Resistant • Color - Amber

ARCTIC is particularly suitable for use in extreme cold environments such as cold rooms, cold storage lockers, ice plants, and on refrigeration or cold storage equipment. It will resist such environmental contact as humidity, ice, and road salts without hardening, washing off or deteriorating.

ARCTIC is an excellent service grease that has passed the Shell Roll Test for 100 hours at 150°F (66°C), and the Federal Test Method Standard No. 791B, Method No. 3454.2 "Leakage Tendencies of Automotive Wheel Bearing Greases" and ASTM 1263. It also passes the application salt-spray resistance and rust tests required by the United States government for its severe environmental contact greases.

ARCTIC may be used on automobiles and aircraft, in industrial applications, or anywhere lubricating properties of a moderate to severe nature are required over a wide range of temperatures.



Calcium Sulfonate Complex

CSC GREASE FG

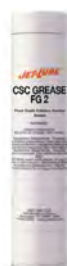
Food Grade Extreme-Service Grease

Water And Chemical-Resistant • NSF H1 Registered
• Color – White • Kosher and Halal certified

CSC Grease FG 2 is an extreme pressure grease that is both “food grade” and a true high-performance product, suitable for a wide variety of applications including the most severe.

CSC Grease FG 2 is based on calcium sulfonate, a powerful anti-rust agent. The finished grease resists water and prevents corrosion, even protecting from acidic fumes and caustic chemicals.

Ideal applications include bearings, bushings, slides, rollers and cam followers.



JET-GOLD™ EP

Premium Multipurpose Grease

12°F to 400°F (-11°C to 204°C) • Meets the DIN 51502 standard: KP2R -20 • Long Life - reduced lubrication frequency • Water Resistant • Wide Speed Range • Color - Peanut Butter

JET-GOLD EP is designed for demanding applications involving extreme pressure, water, heat, or chemical attack. The thickener system in JET-GOLD EP provides protective benefits similar to molybdenum disulfide, safeguarding equipment from wear under extreme load and slow speed conditions. JET-GOLD EP is effective in neutralizing acids and resisting reactions with caustic materials. It also prevents corrosion when exposed to phosphoric acid fumes. JET-GOLD EP 2 is the preferred grade for electric motor bearings. JET-GOLD EP 2 may be used at DN speeds up to 250,000.



Calcium/Lithium

MARINE-MP

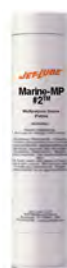
Multipurpose Grease

-10°F to 325°F (-23°C to 163°C) • Water Resistant
• Color – Purple • EP Package

MARINE-MP is a mixed soap (calcium-lithium) grease that is ideal for a multitude of “on-board” applications where both economy and performance are important. This smooth, buttery grease has an operating temperature range of 0°F to 325°F to provide “single grease” use for a variety of applications.

MARINE-MP is water resistant, highly tenacious and has excellent resistance to the effects of salt spray, heat, water, oxidation and other adverse conditions common to marine usage. As a result, this product will lower maintenance costs and simplify inventory while providing excellent performance.

Ideal applications include pivot pins, plain bearings, anchor cables, anti-friction bearings and hoist line.



Bentone

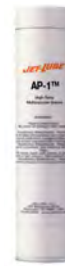
AP-1™

High-Temp Amber Grease

0°F to 550°F (-18°C to 288°C) • Protects Against Rust & Corrosion • Prevents Wear • Highly Adhesive to Metal • Resistant to Water • Superior Storage Life • Color - Clear Amber

AP-1 is noted for its high temperature insensitivity, is non-melting and does not thicken excessively at temperatures as low as 0°F (-18°C). It has mechanical stability, is water resistant, has excellent adhesion to metals, prevents wear and has superior storage life. AP-1 contains oxidation inhibitors, corrosion inhibitors and metal deactivators. It offers positive protection for extreme services, which require heavy-duty lubricant performance.

AP-1 is recommended for anti-friction bearings, ball and roller bearings, sleeve bearings, journals, shackles, slides, conveyor chains, U-joints, sealed assemblies, chassis and general lubrication. AP-1 is ideal for general purpose lubrication of plain and anti-friction bearings such as bearings in cookers, oven chain drives, forges, hot air blowers and dryers.



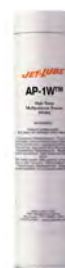
AP-1W™

Low and High-Temp White Grease

-20°F to 550°F (-29°C to 288°C) • Protects Against Rust & Corrosion • Prevents Wear • Highly Adhesive to Metal • Resistant to Water • Superior Storage Life • Color - Off White

AP-1W is noted for its high temperature insensitivity, is non-melting and does not thicken excessively at temperatures as low as 0°F (-18°C). It has mechanical stability, is water resistant, has excellent adhesion to metals, prevents wear and has superior storage life. AP-1W contains oxidation inhibitors, corrosion inhibitors and metal deactivators. It offers positive protection for extreme services, which require heavy-duty lubricant performance.

AP-1W is recommended for anti-friction bearings, ball and roller bearings, sleeve bearings, journals, shackles, slides, conveyor chains, U-joints, sealed assemblies, chassis and general lubrication. Used for instrument assembly, household appliances, automobile door hinges, locks, brake assemblies, window actuators and wherever white grease is preferred and dark grease would be objectionable.



AP-5™

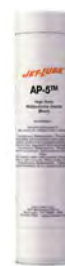
High-Temp Black Grease

0°F to 550°F (-18°C to 288°C) • Protects Against Rust & Corrosion • Prevents Wear • Highly Adhesive to Metal • Resistant to Water • Superior Storage Life • Color - Black

AP-5 is noted for its high temperature insensitivity, is non-melting and does not thicken excessively at temperatures as low as 0°F (-18°C). It has mechanical stability, is water resistant, has excellent adhesion to metals, prevents wear and has superior storage life. AP-5 contains oxidation inhibitors, corrosion inhibitors and metal deactivators. It offers positive protection for extreme services, which require heavy-duty lubricant performance.

AP-5 is recommended for anti-friction bearings, ball and roller bearings, sleeve bearings, journals, shackles, slides, conveyor chains, U-joints, sealed assemblies, chassis and general lubrication. It contains MoS₂ (Molybdenum Disulfide) to yield high film strength with a low coefficient of friction. AP-5 resists fretting corrosion and is suitable for use in plain and anti-friction ball and roller bearings. This grease provides heavy-duty protection for such industry equipment as kiln bearings, crushers, crane ladles, press and hammer guides and lift-bridge pin bearings.

AP-5 is especially recommended for lubrication points prone to neglect such as motors, high temperature blowers, fans and oven conveyors.



GREASES

Synthetic

TEMP-GUARD™ High-Temp Grease

-25°F to 600°F (-32°C to 316°C) • No Petroleum Based Oils or Additives • High Flash Point • Excellent Low Temperature Properties • Non-Melting • High Film Strength With Low Coefficient of Friction • Low Volatility for Less Smoke & Odors • Color - Black

TEMP-GUARD is a high quality synthetic grease for high temperature applications. It contains both graphite and MoS₂ (Molybdenum Disulfide) to give the product both low friction and extreme pressure capabilities. The synthetic fluid in this product provides exceptional low temperature flow characteristics as well as high temperature stability. There are no polymers to build viscosity or viscosity index. TEMP-GUARD is ideal for plain and anti-friction ball and roller bearings, kiln bearings, crushers, crane ladles, press and hammer guides, high temperature blowers, fans and oven conveyors.



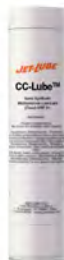
CC LUBE™ Semi-Synthetic Multipurpose Lubricant

0°F to 400°F (-18°C to 204°C) • NSF H1 Registered • Color - Clear • Contains PTFE • Biodegradable • Extremely Water Resistant • Nontoxic • Nonstaining • Colorless & Odorless • Kosher and Halal certified

CC LUBE is a state-of-the-art, semi-synthetic, multipurpose lubricant that combines an aluminum complex thickener for extreme water resistance with the latest synthetic ingredients and PTFE to create a totally transparent, long-lasting, high lubricity lubricant with unequalled quality and performance.

CC LUBE is clear, clean, colorless, nonstaining, nondrying, biodegradable and unsurpassed in reducing friction, extending machine and equipment life and preventing the formation of rust and corrosion over a broad temperature range.

This lubricant may be safely used on a variety of food processing equipment. CC LUBE is designed to eliminate hot water washout and has anti-bacterial additives to eliminate bacterial culturing. It may be used safely on a variety of surfaces including metal, plastic, rubber, vinyl, stainless steel and nylon. CC LUBE is an ideal lubricant for roller, pillow block, needle and plain bearings that are used in cooking, processing and packaging of food products. It is a clear lubricant and will not stain cotton, polyester or Mylar fabrics.



Silicone

SILICONE COMPOUND DM™ Dielectric Grease

NSF H1 Registered • Water Resistant • Nontoxic/Safe • Wide Temperature Range -50°F to 400°F (-46°C to 204°C) (DM-3), -70°F to 400°F (-57°C to 204°C) (DM-2) • Extremely Chemical Resistant • Translucent Paste • Highly Resistant to Oxidation & Shear Breakdown • Suitable for Valve Lubrication • Dielectric Strength - 500 volts/mil typical • Conforms to: MIL-S-8660C (DM-3), MIL-C-21567A (DM-2), NATO Code #S-736

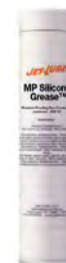
SILICONE COMPOUND DM is a premium silicone compound for use in a wide variety of applications. Its low volatility, non-melting thickener and high dielectric strength make it the compound of choice for moisture proofing ignition systems, spark plug connections, electrical assemblies, cable and battery terminals and other similar applications. In the higher NLGI grades, SILICONE COMPOUND DM provides excellent lubrication and sealing properties for plug and gate valves, stuffing boxes, o-rings, vacuum and pressure systems. The low volatility and inert properties allow it to be used on a wide range of elastomers and plastics. It is not recommended for use on surfaces to be painted. Excellent for high temperature bearings, conveyor systems, and low temperature refrigeration systems.



MP SILICONE GREASE Nonconductive Grease

Will not Carbonize at High Temperatures • NSF H1 Registered • Water Resistant • Nontoxic/Safe • Wide Temperature Range -70°F to 400°F (-57°C to 204°C) • Translucent Paste • Highly Resistant to Oxidation and Shear Breakdown • Dielectric Strength - 500 volts/mil typical

MP SILICONE GREASE is a premium silicone grease for use in a wide variety of applications. Ideal for lubricating and moisture-proofing marine, automotive and aircraft ignition systems, electrical assemblies, cable connections, battery terminals and spark plug connectors. It can also be used as a release agent and lubricant for both plastic and metal parts. The low volatility and inert properties allow it to be used on a wide range of elastomers and plastics. Excellent for high temperature bearings, conveyor systems, and low temperature refrigeration systems. It is not recommended for use on surfaces to be painted.



Product	Type	Color	Temperature	Specifications	NLGI Grade	Marine Grade	NSF	Features
EP Bearing Grease™	Lithium	Purple	0°F to 325°F -18°C to 163°C		2			Industrial grade multi-purpose lubricant.
CB-2™	Lithium	Amber	0°F to 300°F -18°C to 149°C		2			Ideal wherever dirt, dust, and high humidity are present.
#202 Moly-Lith™	Lithium	Black	-20°F to 350°F 29°C to 177°C		2			Multi-purpose grease with MoS2.
White Lithium Grease	Lithium	White	0°F to 370°F -18°C to 190°C		2		H2	Contains PTFE.
EP White Grease	Lithium	White	0°F to 325°F -18°C to 163°C	MIL-G-18458B (SH)	2			Construction grade.
Jet-Plex-EP™	Lithium	Red	14°F to 527°F -10°C to 300°C		2			Premium multi-purpose grease.
Alco-EP-73 Plus™	Aluminum Complex	Red	-25°F to 450°F -32°C to 232°C	MIL-G-18458B (SH)	2	Yes		Premium multi-purpose grease.
Alco-EP™	Aluminum Complex	Black	-25°F to 450°F -32°C to 232°C		2	Yes		Premium multi-purpose grease with MoS2.
Kiln Grease HT™	Aluminum Complex	Green	0°F to 500°F -18°C to 260°C		2			Ideal for severe service applications.
FMG™ NGLI 1 & 2 NGLI 0	Aluminum Complex	White	0°F to 400°F -18°C to 204°C -25°F to 300°F -32°C to 155°C	FDA CFR 21, Part 178.3570		Yes	H1	Retards bacterial and fungal growth.
Arctic™	Calcium	Amber	-65°F to 225°F -54°C to 107°C	MIL-G-25537C NATOG366	2			Effective in extreme cold.
Marine-MP	Calcium Lithium	Purple	-10°F to 325°F -23°C to 163°C			Yes		Ideal for a variety of "on-board" applications.
AP-1™	Bentone	Amber	0°F to 550°F -18°C to 288°C					Non-melt, high-temp grease.
AP-1W™	Bentone	White	-20°F to 550°F -29°C to 288°C					Non-melt, high-temp grease.
AP-5™	Bentone	Black	0°F to 550°F -18°C to 288°C		2			Non-melt, high-temp grease.
Temp-Guard™	Synthetic	Black	-25°F to 600°F -32°C to 316°C		1.5			Capable of withstanding 600°F temps.
CC Lube™	Synthetic	Clear	0°F to 400°F -18°C to 204°C	FDA CFR 21, Part 178.3570	1 & 1.5	Yes	H1	Colorless, nonstaining and biodegradable.
Silicone Compound DM™	Silicone	Translucent	(DM-3) -50°F to 400°F/ -46°C to 204°C (DM-2) -70°F to 400°F/ -57°C to 204°C	MIL-S-8660C (Grade 3) MIL-C-21567A (Grade 2)	2 & 3		H1	Comparable to Dow Corning® 111 Compound.
MP Silicone Grease	Silicone	Translucent	-70°F to 400°F -57°C to 204°C		2	Yes	H1	Comparable to Dow Corning® 4 Compound and Dow Corning® 7 Compound.
Jet-Red™	Lithium Complex	Red	EP1 -10°F to 300°F -23°C to 149°C EP 2 0°F to 400°F -18°C to 204°C		1 & 2			Low cost, highly versatile.
Jet-Gold™ EP	Calcium Sulfonate Complex	Peanut Butter	12°F to 400°F -11°C to 204°C		1 & 2			Extreme pressure, multipurpose, water-resistant.
CSC Grease	Calcium Sulfonate Complex	White		Kosher & Halal Certified	2		H1	Extreme pressure, water and chemical-resistant.

THREAD SEALANTS



Jet-Lube thread sealants are manufactured to seal and secure metal, plastic and fiberglass piping and fittings by filling the voids and imperfections on the threaded surfaces and to eliminate back flow through the threads, thus causing a leak pattern. Jet-Lube thread sealants prevent leakage caused by vibration loosening, solvent evaporation, damaged threads and temperature cycling.

V2®

Multipurpose Pipe Thread Sealant with PTFE

-70°F to 500°F (-57°C to 260°C) • ULC, NSF 61 and Meets MIL-TT-S-1732 • Uniform Plumbing Code: IAPMO #1282 • Biodegradable • MIL-TT-S-1732 • No VOC • Seals to 10,000 psi (Liquids), 2,000 (Gases) • Brushable to 0°F (-18°C) • Contains PTFE • Safe to use on PVC & Fiberglass Fittings • No Odor

V2 is a combination of vegetable oil, PTFE and inert fillers that are environmentally safe, nontoxic for use in potable water applications, on NPT and standard pipe fittings. It's a soft setting product, so you can remove the fitting without damage to the threads. This formulation also has rust and corrosion inhibitors built in so the connection/fitting will not rust or corrode. V2 also has a bacteria/fungistat which is a food grade additive that will eliminate bacterial culturing.



TFW™

PTFE Fire Sprinkler, Pressurized Air and Natural Gas Pipe Thread Sealant

Brushable To: 0°F (-18°C), Temperatures to: 500°F (260°C) • Biodegradable • Non-Melt • Contains PTFE • No VOC • 10,000 psi (Liquids), 2,000 psi (Gases) • MIL-TT-S-1732

TFW is manufactured to seal NPT threads for metal piping, threaded ball valves and for applications where PVC with ABC is used. This special formula is ideal for fire sprinkler applications where glycol testing is required. TFW provides sealing upon application and can be pressurized to 10,000 psi for liquids and 2,000 psi for natural gas and pressurized air lines. The soft setting formula is ideal where disassembly of fittings is required. The rust and corrosion inhibitors are built in to assure trouble free disassembly and help eliminate damage to the threaded fitting. The formula is built around micro-fine particles which allow fittings and valves to be assembled with ease, and ensures immediate seal and pressurization.



TF-25™

Line Pipe and NPT Thread Sealant and Anti-Seize

-100°F to 600°F (-73°F to 316°C) • Contains PTFE & Graphite • Brushable to 0°F (-18°C) • Soft Setting & Non-Melt Formula • Chemically inert • Pressures to 10,000 psi Liquid and 2,000 psi Natural Gas & Air



TF-25 is a thread sealant that has anti-seize characteristics, where standard thread sealants do not have the ability to handle dual function applications. TF-25 performs both functions of sealing the threads on large diameter connections (3 1/2" and above), while also working as an assembly and disassembly lubricant. The ingredients are inert, noncorrosive, and ideal for natural gas, hot oils, desolate materials and wastewater applications. TF-25 is ideal as a thread sealant where loose fitting or worn threads are present, on imperfectly cut threads or where thread damages have occurred. TF-25 may be used on both ferrous and nonferrous metals.

PETRO-TAPE®

Heavy-Duty Thread Sealant Tape

-400°F to 500°F (-240°C to 260°C) • 3-MIL Thickness • Conforms to MIL-T-27730A • Inert Properties • Chemical Resistant • Pure Virgin Polytetrafluoroethylene • Full Vacuum to 2,000 psi • Canada ULC Listed



PETRO-TAPE is inert, highly resistant and impervious to salt water, fuels, refrigerants, acids and alkalis, including kerosene, cleaning fluids and gases. Immediate pressurization of the joint is possible. This 3-MIL tape will not tear easily, as the combination of polymers actually stretch and expand to develop a tight seal. When the NPT fitting is assembled to the pipe, the Petro-Tape, when correctly applied, will not tear or ball up in the threads during assembly which can cause leak patterns to develop.

TF-15®

Metal-Free Thread Sealing Compound

Application: -30°F to 200°F (-34°C to 93°C) | Sealing: to 600°F (315°C) | • Nonmetallic • No VOC • Contains PTFE & Graphite • Seals at temperatures to 600°F (315°C) and pressures to 10,000 psi • Friction Factor 0.7 • H₂S Inhibited



TF-15 assures a tight connection assembly to better handle pressure surges, vibration, temperature fluctuations and pressures up to 10,000 psi. The highly refined materials used in this sealant do not interfere with connection assembly, thus allowing full thread engagement to create the actual seal in the thread form.

Fiberglass threaded pipe is a rough cut thread which requires a sealant to lubricate the threaded surface and seal at the same time. Creating a tight seal is important to eliminate backflow of the contents traveling through the pipe. Some of the typical uses for fiberglass pipe are salt water discharge applications, wastewater plants, power generation stations and highly corrosive materials that would corrode metal piping. Conforms with API 5A3 for use with casing, tubing, and line pipe.

PETRO-TAPE® NICKEL

Heavy-Duty Thread Sealant Tape

-450°F to 550°F (-267°C to 287°C) • ≥4 MIL Thickness • Conforms to CID A-A-58092 • Inert Properties • Chemical Resistant • Pure Virgin Polytetrafluoroethylene • Full Vacuum to 10,000 psi



PETRO-TAPE NICKEL is a thick, premium-density tape that permits quick, clean sealing of threaded pipe connections. Its PTFE base provides natural lubrication of the joint, while its nickel filler prevents galling of the threads which is common in stainless steel assemblies. PETRO-TAPE NICKEL contains a gray pigment for easy identification, and distinguishes it from lower density, general purpose thread sealant tapes. HEAVY DUTY - IDEAL FOR MULTIPURPOSE CONNECTIONS, SPECIALLY STAINLESS STEEL.

Thread Sealants

Product	Specifications	Temperature	Pressure	NSF	Features
V2®	MIL-TT-S-1732 (formerly MIL-T-27730A)	-7°F to 500°F -57°C to 260°C	10,000 psi liquid, 2,000 psi gases	PI, 61	Vegetable oil-based, soft-setting, for use with potable water.
TFW™	MIL-TT-S-1732	-0°F to 500°F -18°C to 260°C	10,000 psi liquid, 2,000 psi gases		Ideal for high-pressure applications.
TF-15®	CA COR Title 22	-50°F to 600°F 46°C to 315°C	10,000 psi liquid, 2,000 psi gases		Ideal for fiberglass pipe applications.
TF-25™		-100°F to 600°F -73°C to 316°C	10,000 psi liquid		Ideal for pipe diameters larger than 3 inches.
Petro-Tape®	MIL-T-27730-A / Canada ULC Listed	-400°F to 500°F -240°C to 260°C	Full Vacuum to 2,000 psi		2 MIL thicker than average tapes. Two wrap application.
Petro-Tape® Nickel	MIL-T-27730-A / CID A-A-58092	-450°F to 550°F -267°C to 287°C	Full Vacuum to 2,000 psi		4 MIL thicker, ideal solution for sealing stainless steel threaded joints.

LUBRICANTS FOR OPEN GEAR AND WIRE ROPE APPLICATIONS

GEAR GUARD™

Open Gear Lubricant

(Bulk) 35°F to 350°F (2°C to 175°C) | (Aerosol) -25°F to 350°F (-32°C to 175°C) • Brushable/Pumpable Formula • Black, Sticky Semi-Fluid • Petroleum Oil Based Material • Contains Molybdenum Disulfide • Available in Bulk & Aerosol form

This product has been developed to coat and protect mating surfaces of opened and closed crown ring and pinion gears. Also used for “bull” gears, planetary ring gears and assemblies where high load contact protection is required. GEAR GUARD contains MoS₂ (Molybdenum Disulfide) and graphite in a water resistance grease base so the product will not run, sling off or melt over time and cause exposure to the elements. This combination of durable and flexible components produces a thin film on the gears, eliminating metal-to-metal contact which will reduce surface heat and wear.



WRL™

Wire Rope and Chain Lubricant

(Bulk) -40°F to 320°F (-40°C to 160°C) | (Aerosol) -25°F to 350°F (-32°C to 175°C) • Petroleum Oil • Color - Beige • Solvent-Free • Pumpable • 35KV Dielectric Strength • Available in Bulk & Aerosol form

All wire ropes contain numerous moving parts that require lubrication. Each time the rope bends or flexes, the internal strands rub together causing friction, heat and wear. WRL has a blend of additives that coat, cover and protect the strands from the weathering conditions caused by offshore environments. This lubricant is highly resistant to rain and salt water atmospheres, and ideally suited for offshore cranes and lashing lines. WRL is formulated with rust and corrosion additives so it's ideal for lubricating wire rope, forklifts and any application that needs lubrication without attracting dirt and grime. WRL can also be used for cable pull systems and lines on amusement park rides.



WLD™

Wire Line Dressing - Cable & Open Roller Chain Lubricant

Non-Melt Grease Base • (Bulk) 35°F to 350°F (2°C to 175°C) • Black Brushable Formula • NSN # 9150-01-179-0228 • Available in Bulk & Aerosol form

WLD is a blend of petroleum and organic resins that aid in adhesion properties and make WLD highly water resistant. This formula is a coating for long-term storage to protect exposed wire rope. It's ideally suited for spooling applications where pneumatic lubricators are present for applying wire rope lubricants. WLD's special blend of rust and corrosion inhibitors will eliminate oxidation and is UV protected. It will not run or drip off during transport or storage. The barrier film of WLD protects against the formation of rust and prevents “rust binding,” which reduces cable flexibility and life, increasing friction and wear. WLD is well suited for walking dragline applications and as a lubricant for wire line guides and sheaves. WLD has the ability to penetrate in a working environment, protecting the inner core strands of the cable or rope.



MARINE WIRE ROPE & HAWSER GREASE™

Lubricant & Protectant

MIL - PRF18458B (SH) • -10°F to 325°F (-23°C to 163°C) • Color - White/Beige • Nonstaining • Water Resistant • Anti-Corrosive • Nondrying • NLGI Grade 2

This multipurpose product is suited for applications where general purpose marine grade grease is used to lubricate metal, galvanized or black ropes that are exposed to sea water and high humidity environments. This tenacious product is easily pumped with pneumatic pumping systems or can be applied by a brush or swab.

MARINE WIRE ROPE & HAWSER GREASE is recommended for all marine hawser and related elevator hoists, rig anchor cables, or any rope that operates in harsh offshore environments.



OG-H™

Heavy-Duty Open Gear Lubricant

0°F to 550°F (-18°C to 288°C) • Non-Melt Grease Base • Brushable Formula • Black Sticky Paste

This blend of mineral oils, MoS₂ (Molybdenum Disulfide) and graphite combined with rust and corrosion inhibitors are ideal for open, outdoor surfaces. OG-H is specially formulated for gears, gearboxes, trunnion rollers and thrust rollers. OG-H is for gears that drive large kiln drying units.

OG-H is a brushable and pumpable formula, so applying the grease to flat, tapered or open gears is easily done using a conventional paint brush or pneumatic pumping system. This uniformly blended combination of low friction ingredients provides a high film strength which reduces starting torque and lowers operating temperatures.



WIRE LINE LUBRICANT ECF™

Wire Rope & Chain Lubricant Environmental Formula

-20°F to 500°F (-29°C to 260°C) • Extremely Water Resistant • Color - Lt. Beige • Nonconductive • No VOC's

WIRE LINE LUBRICANT ECF is a unique product for wire line applications where a grease-type lubricant is required. It's specially formulated for slick, electric and braided lines. This compound blend provides the level of biodegradation required to meet the Ospar Commission-HOCNF (Harmonized Offshore Chemical Notification Format) Norwegian “Yellow” and the combined UK and Netherlands “E” categories. WIRE LINE LUBRICANT ECF is H₂S inhibited and has unique capabilities as a preservative against rust and corrosion. It also offers excellent protection against extended exposure to the elements and UV rays. It can be applied by hand or through a pneumatic lubrication system. This easyflow formula will stick to the wire line and penetrate the wire core for added protection and wire line life.



LUBRICANTS FOR OPEN GEAR AND WIRE ROPE APPLICATIONS

MP-50™

Multipurpose Non-Melting MoS2 Paste

50% Molybdenum Disulfide Paste • Brushable • Color - Black • -300°F to 750°F (-185°C to 400°C) • Organic Clay Mixture with Molybdenum Disulfide • Non-Melting Formula • 300,000 psi Contact Stress Load • NAVSEA TMS S 9958-AA-MMA-100



MP-50 was developed for applications where extreme high loads are present, like center bowl lubrication points for rail cars and walking cams for dragline cranes. This product is highly saturated with MoS2 (Molybdenum Disulfide) in a thick non-melt, grease base for stay put properties. MP-50 is designed to handle high pressure and high heat applications like mandrel forming presses, and is used as a valve stem lubricant for many OEM valve manufacturers.

MARINE-MOLY™

MoS2 Paste

-300°F to 750°F (-185°C to 400°C) • Color - Black • Lead Free • Water Resistant • Non-Melting • Contains Molybdenum Disulfide & Graphite • Available in Bulk & Aerosol form



MARINE-MOLY is a specially formulated MoS2 (Molybdenum Disulfide) marine lubricating paste that provides a low friction shield by “plating” to metal surfaces to reduce bearing temperature, protect working parts, prevent galling and heat freeze. Very tenacious, it may be applied by brush or spatula to hot surfaces without running or dripping off.

MARINE-MOLY is extremely resistant to water, withstands extreme weather elements and helps prevent corrosion on metal exposed to water, steam, salt spray, etc. MARINE-MOLY has a 300,000 psi film strength.

Ideal applications include open gears, loading racks and arms, marine transmission gears, open spur gears and sliding bases.

Lubricants for Open Gear and Wire Rope Applications

Product	Temperature	NLGI	Color	Marine	Features
Gear Guard™	35°F to 350°F 2°C to 175°C	3	Black, Paste		Ideal for all heavily loaded applications.
WLD™	35°F to 350°F 2°C to 175°C		Black, Paste	Yes	Ideal for use in salt water environments.
OG-H™	0°F to 550°F -18°C to 288°C	3	Black, Paste		Very tacky with high adhesive and cohesive properties.
WRL™	-40°F to 320°F -40°C to 160°C		Amber	Yes	Provides a nondrying and nontacky film.
Marine Wire Rope & Hawser Grease™	-10°F to 325°F -23°C to 163°C		Beige	Yes	Economical, high-performance lubricant.
MP-50™	-300°F to 750°F -185°C to 400°C	2.5	Blue to Black, Paste		“Plates” metal surfaces.
Marine-Moly™	-300°F to 750°F -185°C to 400°C		Black, Paste	Yes	Extremely resistant to weather conditions.
Wire Line Lubricant ECF™	-20°F to 500°F -29°C to 260°C		Lt. Beige		Environmentally friendly with a wide temperature range and extreme water resistance.

EPOXIES

JET-LOK® III

Zinc-Free Threadlocker, Two-Part Epoxy

Available as a complete Handy Pak or Kit • 1 hr. cure time



JET-LOK III can be used to permanently lock threaded connections under normal operating conditions. JET-LOK III uses a new catalyst for added pot life and durability with lower toxicity and less heat generation, making it the optimum choice for its recommended applications. It is specially designed for use on all threaded joints or fasteners where an exceptionally strong and durable bond is required. Ideal on drilling tools, casing, and other tubulars where the effective prevention of joint loosening is required.

769 LUBRICANT™ Nonflammable Lubricant & Penetrant

NSF H2 Registered (Bulk) • 35-40 KV Dielectric Strength • Nonflammable • Nonevaporating • Contains No Silicones • MIL-PRF-81309H (Aerosol) Type II & III, Class II, CO2 Grade • MIL-PRF-81309H (Bulk) Type II & III, Class I • MIL-C-16173E Grade 3 • MIL-C-23411A VV-P-216B • CID A-A-50493C Class B Type I • Available in Bulk & Aerosol form

769 LUBRICANT is a market-leading lubricating, penetrating, moisture displacing, and corrosion preventative coating on the market. Unequalled where salt water, salt spray or other harsh environments are present. 769 LUBRICANT gives total performance while being environmentally safe, easy to use and nonflammable.

Lubricates: Contains ashless, extreme pressure additives and highly refined lubricating oils that provide superior lubricating protection and anti-wear properties.

Penetrates: Rusted and frozen metal parts – studs, nuts, screws, pins, linkages are easily loosened by means of superior “creepability.”

Removes Moisture: Moisture is lifted and displaced rather than trapped. Pores and crevices of surfaces are freed from moisture and are coated with a thin, non-greasy film that prevents additional moisture from clinging or entering.

Prevents Rust & Corrosion: Thin film adheres to metallic surfaces, providing positive, temporary protection against the formation of rust and corrosion, including electrolytic and galvanic corrosion common in salt environments.



Z-PLATE™ Zinc-Rich Galvanized Coating

Fast Evaporating • Color - Grey • Cone Spray Water Displacing • Dry Film • Long-Term Coating • 95% Pure Metallic Zinc • Rust & Corrosion Inhibited • USDA Authorized • MIL-PRF-26915D

Z-PLATE Prevents: Rust and corrosion with galvanic action equal to hot-dip galvanizing. 95% pure zinc compound which forms a tough, durable and flexible coating.

Z-PLATE Repairs: Galvanized surfaces damaged by cutting or welding. Primer for surfaces to be painted. Protects against salt water. It requires little surface preparation. Z-PLATE is excellent for cosmetic repairs to welded joints, guard rails, bridges, fencing, storage tanks, pipe lines, TV towers, metal buildings, heavy equipment, heat ducts, marine and offshore equipment.



RUST-GUARD™ Corrosion Inhibitor

Indoor & Outdoor Formula • MIL-PRF-16173E, Grades 1 and 2 • Nontoxic • Available in Bulk & Aerosol form

RUST-GUARD is a specialized water displacing formula which dries to a uniform, thin waxy film to effectively seal out moisture and corrosion. RUST-GUARD provides long-term protection on all metal and alloy surfaces, even under harsh environmental conditions such as water, high humidity or salt spray. RUST-GUARD's bulk formula typically provides six months outdoor and one year indoor protection against rust and corrosion. RUST-GUARD may be used indoors or outdoors as a protective coating on raw materials, machined parts, tools, pipe, fittings, valves, etc., while they are being stored or in transit. RUST-GUARD will not crack or flake off, it penetrates fully into even the smallest crevices to displace moisture and prevent rust and corrosion. RUST-GUARD is green in color to provide a visual check of product application and is easily and safely removed by use of a safety solvent such as CLEAN-UP™.



MAGIC WRENCH™ Super Penetrant

NSF H1 Registered • (Bulk) -60°F to 350°F (-51°C to 177°C) | (Aerosol) -60°F to 350°F (-51°C to 177°C) • Biodegradable • Destroys Rust • Lubricates • Low VOC Formula • Silicone Free • Ozone Safe • Nonflammable (bulk) • Nonevaporative • Available in Bulk & Aerosol form

MAGIC WRENCH attacks rust and corrosion quickly and safely to free corroded parts, loosen nuts and aid in the disassembly of mechanical components. Its versatile, synthetic formula penetrates, lubricates, removes moisture and protects chains, cables, slides and other moving parts. MAGIC WRENCH is excellent for both food grade and non-food grade applications.



12|34™ Lubricant & Penetrant (Available only in CA)

Contains No Fluorocarbons or Silicones • Economical to use • >28V Dielectric Breakdown • Nonevaporative • Nonconductive • Chemically stable • Never hardens or dries out • Meets the requirements of MIL-PRF-81309

An industrial penetrating, moisture displacing, lubricating and corrosion preventative. Unequaled where salt water, salt spray or other harsh environments are encountered. 12|34 gives total performance while being environmentally safe and easy to use.

Lubricates: Contains ashless extreme pressure additives and highly refined lubricating oils which provide superior protection and anti-wear properties.

Penetrates: Rusted and frozen metal parts - studs, nuts, screws, pins, linkages - are easily loosened by means of superior 'creepability'.

Removes Moisture: Moisture is lifted and displaced rather than trapped. Pores and crevices of surfaces are freed from moisture and are coated with a thin non-greasy film that prevents additional moisture from clinging or entering.

Prevents Rust and Corrosion: Thin film adheres to metallic surfaces, providing positive, temporary protection against the formation of rust and corrosion, including electrolytic and galvanic corrosion common in salt environments.

Cleans: Low viscosity dissolves grease and oil for easy removal. Cleans dirt, dust and grit for easier penetration and quicker rust-busting.



CLEAN-UP™

Industrial Grade Degreaser

NSF K1 Registered • Nonflammable • Ozone Friendly • Acid, Alkali Free • Low Odor • >53KV Dielectric Strength • Safe on Metals • Available in Bulk & Aerosol form

CLEAN-UP is a heavy-duty, low-foaming, chlorinated solvent that rapidly dissolves oil, grease, paint, tar and grime on contact, leaving a clean, residue free surface. Will not corrode or damage metal. CLEAN-UP is ideal for bearings, machinery, injectors, engine parts, tools, cables and more.



CLEAN-UP™ II

Industrial Grade Degreaser

Low VOC Formula • Residue Free • Ozone Friendly • Safe on Metals & Some Plastics Replaces 1:1:1 Trichloroethane • 6.3KV AC Dielectric Strength & Breakdown Voltage

CLEAN-UP II is a specially formulated low VOC blend of organic solvents designed to quickly dissolve and rinse away dirt, grease, grime, oil, tar and wax while being both environmentally responsible and ozone friendly. The product contains no chlorinated or fluorinated solvents, no hazardous air pollutants and evaporates residue-free quickly. This product is California compliant and acceptable for use in CARB/OTC States.

CLEAN-UP II starts working immediately on contact, breaking down and dissolving even stubborn contaminants without the use of fluorinated, chlorinated or SARA listed ingredients. Safe on all metals and some plastics. For sensitive materials, test on an inconspicuous small area first to determine acceptability. For electrical services the system must be off and time given to evaporate before re-energizing the system to avoid flash or fire.



CLEAN-UP™ PLUS

Citrus Degreaser

NSF C1 Registered • Replaces 1:1:1 Trichloroethane • Natural Organic Formula • Ozone Friendly • No VOC's • Biodegradable • Acid, Alkali Free • >29KV • Nonflammable but combustible • Safe on Metals & Most Plastics • Available in Bulk & Aerosol form

CLEAN-UP PLUS is a high-performance blend of safe, organic solvents that quickly dissolves and rinses away dirt, grease, grime, oil, tar, and wax, while being both environmentally safe and ozone friendly. It works immediately on contact, breaking down and dissolving even the most stubborn contaminants without the use of fluorinated, chlorinated or SARA listed ingredients. CLEAN-UP PLUS slowly evaporates while cleaning, leaving a residue free surface. This degreaser is safe on all metals and most plastics.



PS TERMINAL™

CFC-Free Electrical Contact Cleaner

NSF K2 Registered • 95% Free of Federal VOC • Safe on Metals & Most Plastics* • Nonflammable • Nonstaining • Residue Free • Odorless • May be used while Equipment is Operating • >35KV Dielectric Strength

PS TERMINAL is formulated with a blend of HCFC and HFC solvents and propellants to safely and quickly clean electrical and electronic components and equipment, while providing reduced damage to the environment as compared to CFC's and other HCFC-based products. It penetrates and removes dirt, grease and organic contaminants, then evaporates leaving a residue-free surface. The blend of HCFC's and HFC's provides a Kauri-Butanol (KB) value low enough to be safe in nearly every electrical and circuit board application while still providing excellent cleaning and oxidation removal properties.

*Although much safer, this product may etch, discolor or crack the following plastics; ABS, Polystyrene, Pebax 2533 Resin, and Polymethyl Methacrylate (Acrylic Resin). Test in an inconspicuous area before using.



EASY-CLEAN® LIQUID

Frac and Rig Wash

Biodegradable • Nontoxic • Nonflammable • Noncombustible • Nonfuming • Water Soluble

EASY-CLEAN is an alkaline-based cleaner/degreaser that uniquely combines cleaning agents with newly developed emulsifying technology to provide a product that can effectively remove carbon, grease, oil and other organic deposits while being both safe and ozone friendly. It contains no 1:1:1 Trichloroethane, Fluorocarbons or SARA Title III, Section 313, Part 372 listed ingredients and contains no acids, chlorides, phosphates or TTO's (Total Toxic Organic Compounds). EASY-CLEAN is the most effective cleaner/degreaser for heavy-duty industrial services on the market and can be used for parts degreasing, pressure washing, steam cleaning, ultrasound cleaning, or simply by brushing or spraying and then rinsing with water or wiping clean. For best results, combine a 5-gal. pail of EASY-CLEAN with water in a 55-gal. drum.



SPECIALTY PRODUCTS

RUBBER LUBRICANT™

Water-Based Rubber Lubricant & Mold Release Agent

Nontoxic • Low Foaming • Odorless • Heat Stable to 500°F (260°C) • Environmentally Safe • Nonstaining • Nonflammable • Ozone Friendly

RUBBER LUBRICANT and mold release agent is a multipurpose, environmentally safe silicone product that provides unsurpassed performance. It contains twice the silicone content of leading aerosols for increased protection. When used as a rubber lubricant, it makes assembly of plastic and rubber parts fast and easy. Whether squirted, sprayed, or brushed on, RUBBER LUBRICANT provides a temporary, wet, slippery surface, and then either dries to a thin protective film or is absorbed into natural or synthetic rubber.

As a mold release agent, extra heavy silicone content provides maximum release capacity under even the most severe molding conditions. RUBBER LUBRICANT is excellent for all metal, plastic, and rubber castings. It will not melt or gum.



OVEN CHAIN LUBRICANT™

Viscosity Lubricant

NSF H1 Registered • -25°F to 752°F (-32°C to 400°C) • Noncorrosive • Contains PTFE • Penetrates • Low Odor • Lubricates • Synthetic • Reduces Smoke

OVEN CHAIN LUBRICANT is a premium, high viscosity lubricant that penetrates into the chain to provide optimum performance at elevated temperatures. Synthetic fluid technology was carefully balanced to produce a product that is not only clean and safe, but effectively lubricates chain components.

OVEN CHAIN LUBRICANT is derived from a carefully evolved blend of high viscosity, nonsmoking [550°F (288°C)], low odor synthetic fluids and surface tension modifiers. OVEN CHAIN LUBRICANT avoids the use of potentially damaging organic additives by using a synergistic blend of micro-sized solid boundary lubricants that minimize wear by reducing metal-to-metal contact. The semi-fluid consistency is developed using a non-melting, inorganic thickener that reduces drip and subsequently the potential introduction of lubricant into food products.



EMS™

Water-Based Silicone Lubricant

FDA CFR 21, Part 178.3570 • Nontoxic • Odorless • Tasteless • Nonstaining • Low Foaming • Environmentally Safe • Nonflammable

EMS Water-Based, Silicone Lubricant is an emulsified, premium, multipurpose product that lubricates, waterproofs and protects while being odorless, tasteless and nonstaining. EMS stops sticking, squeaking and binding of moving parts. It's an excellent release agent and ideal clear, clean lubricant. EMS provides a long-wearing, moisture resistant, nontoxic film that will not melt or become rancid. Nonaerosol EMS contains twice the silicone content normally found in aerosol products for increased protection and performance while being ozone- and environmentally safe.



MOLY-MIST™

MoS2 Dry Film Lubricant

Noncorrosive • Bonds to Most Porous & Nonporous Metals • -300°F to 750°F (-184°C to 399°C) • Available in Bulk & Aerosol form

MOLY-MIST lowers friction, prevents galling, seizure, stickslip, fretting, corrosion and metal-to-metal contact. It reduces torque and power consumption. MOLY-MIST can be applied while equipment is in motion, it deposits a coating of moly on hard to reach surfaces of fixed, moving or irregular parts. MOLY-MIST can be used wherever a dry lubricant is needed, particularly where temperatures are extreme, where environments are hostile, and where friction must be kept to a minimum.

MOLY-MIST provides the initial lubrication protection that is needed where conventional lubrication in most cases cannot. Its low coefficient of friction, bonding tenacity, and ability to sustain lubrication make MOLY-MIST a pre-assembly necessity. Lubrication - or lack of lubrication - on the first pass or revolution of a wearing surface to a large extent determines the life of a component. New parts contain rough surfaces in the form of microscopic imperfections. Use of MOLY-MIST during initial "running in" period will provide extended service life.



FOOD GRADE SILICONE

Food Grade Lubricant

NSF H1 Registered • FDA Regulation CFR-21, Part 178.3570 • Nontoxic • Safe on plastics • Nonstaining • Colorless/Odorless • Excellent Release Agent • Authorized for use by Agriculture Canada • Contains No 1:1:1 Trichloroethane, Freon

FOOD GRADE SILICONE is an excellent lubricant for use on processing equipment in all types of food and food related industries where incidental food contact may occur. FOOD GRADE SILICONE stops sticking, squeaking and binding of moving parts. It has an excellent release agent. FOOD GRADE SILICONE will not gum or form unwanted residues, instead it leaves a clear film that is moisture resistant, long-wearing, odorless, colorless and nontoxic.



NSF and Government Spec Guide

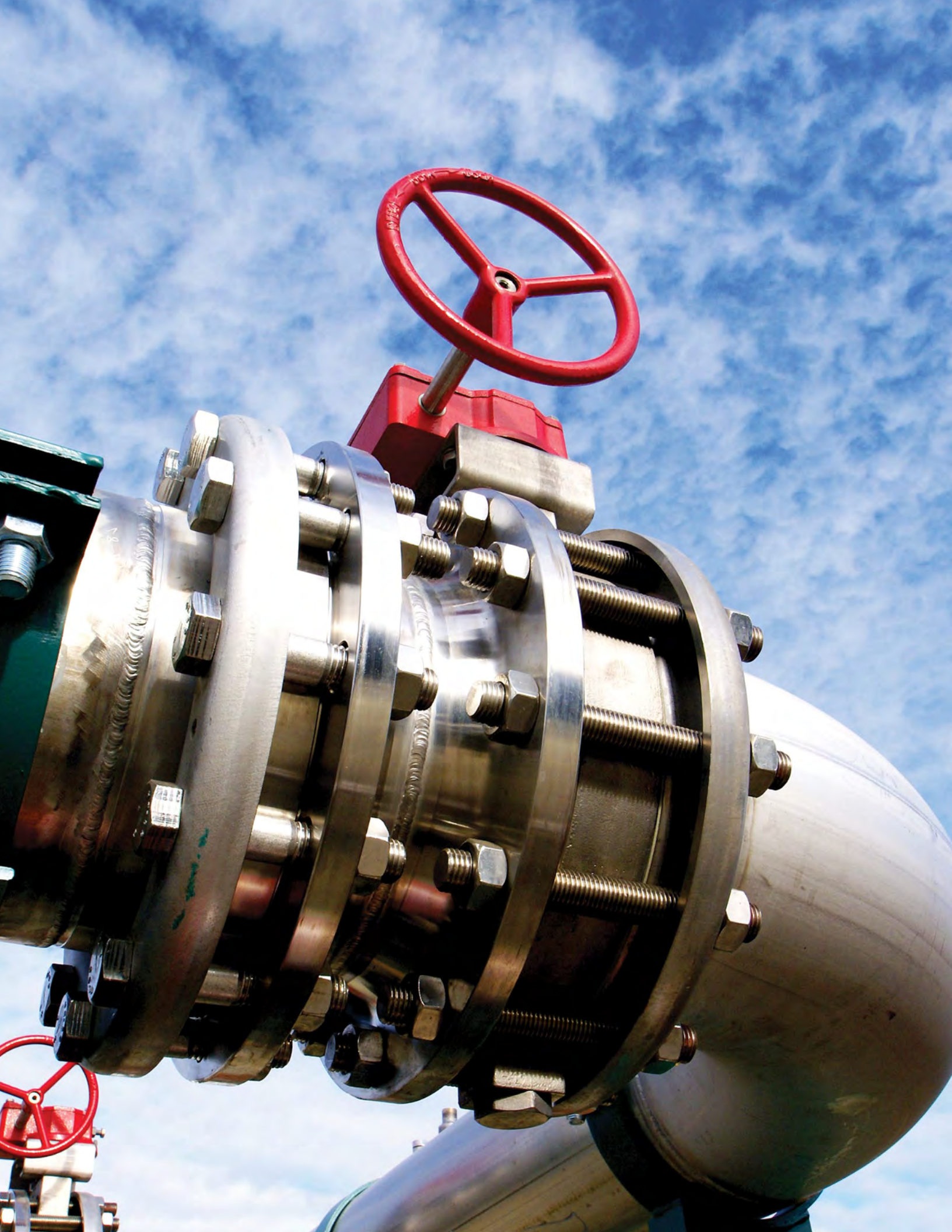
www.nsf.org/usda/listings.asp



CC LUBE™	048221	.H1
CLEAN-UP™	137558	.K1
CLEAN-UP™ PLUS	144906	.C1
CSC GREASE FG	153004	.H1
FMG™ NLGI "0"	133030	.H1
FMG™ NLGI "1"	133029	.H1
FMG™ NLGI "2"	048226	.H1
FOOD GRADE SILICONE	137548	.H1
CLEAN UP™ PLUS	144906	.C1
V2™	121265	.PI, 61
MP SILICONE GREASE	127362	.H1
769 LUBRICANT™	137551	.H2
KOV'R KOTE™	127360	.H2
KOPR-KOTE™ ANTI-SEIZE	120923	.H2
MAGIC WRENCH™ (AEROSOL)	048230	.H1
MAGIC WRENCH™ (BULK)	048231	.H1
OVEN CHAIN LUBRICANT	113601	.H1
PS TERMINAL™	136910	.K2
SILICONE COMPOUND DM™ 2	132225	.H1
SILICONE COMPOUND DM™ 3	132224	.H1
WHITE KNIGHT™	048235	.H1
WHITE LITHIUM GREASE	137549	.H2

US Government/Military Specification Reference

550™	MIL-PRF-907F
550™ EXTREME	MIL-PRF-907F, Raytheon Spec M8656839 Type II
550™ EXTREME ALL-WEATHER	MIL-PRF-907F
769 LUBRICANT™ (AEROSOL)	MIL-PRF-81309F, TYPE II AND III, CLASS 2, GRADE B A-A-50493C, CLASSB, TYPE II
769 LUBRICANT™ (BULK)	MIL-PRF-81309F, TYPE II AND III, CLASS 1 MIL-C-16173E GRADE 3 A-A-50493C, CLASS B, TYPE I
ALCO-EP™ ECF™	MIL-PRF-18458C, TYPE I
ALCO-EP-73 PLUS™	MIL-PRF-18458C, TYPE I
EP WHITE GREASE	MIL-PRF-18458C, TYPE I
GRAPHITE PETROLATUM	SAE AMS2518D
12134™	MIL-PRF-81309
KOPR-KOTE™ ANTI-SEIZE (AEROSOL)	MIL-PRF-907F, Raytheon Spec M8656839 Type I
MARINE WIRE ROPE & HAWSER GREASE™	MIL-PRF-18458C, TYPE I
MOLY PETROLATUM	MIL-PRF-83483D
NCS-30™	MIL-PRF-907F
NIKAL™	MIL-PRF-907F
NIKAL™ NUCLEAR	MIL-PRF-907F
PETRO-TAPE™	MIL-T-27730A
PETRO-TAPE™ NICKEL	CID A-A-58092
RUST-GUARD™ (BULK)	MIL-16173E GRADES 1 AND 2
RUST-GUARD™ (AEROSOL)	MIL-16173E GRADES 1 AND 2
SILICONE COMPOUND DM™	SAE AS8660 (DM3), MIL-DTL-21567B (DM2)
SS-30™ EXTREME	MIL-PRF-907F
WHITE KNIGHT™	MIL-PRF-907F
ZINC DUST PETROLATUM	A-A-59313
Z-PLATE™ (AEROSOL)	MIL-PRF-26915D





High Temperature Sealants and

Injectable Packings for the industrial market include, high-temp thread and flange applications covering a wide range of pressures, temperatures, process steams and types of equipment. Our extensive product line is formulated to meet the needs of a diverse range of industries, from iron and steel producers, pulp and paper manufacturers, power generators, pipelines and oil refineries to wastewater treatment plants and petrochemical producers.

deaconindustries.com

DEACON HIGH TEMPERATURE SEALANTS - MRO / OEM PRODUCTS

Flange and Thread Sealants

DEACON® 770-L

Thermal Reactive Liquid Sealing Compound

DEACON 770-L is a heat curing liquid sealant that is used in high temperature and high pressure applications. Specially designed to be a thread sealant or gasket dressing, 770-L will flow to fill small voids and surface irregularities. The proprietary formulation allows 770-L to be used as the only sealant on low-tolerance metal-to-metal joints. 770-L will not cement the joints together or interfere with future repairs. In the presence of heat, 770-L will form a mechanical-type seal against steam, oils, solvents, hydrocarbons and a variety of chemicals.



Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, steam traps and pressure vessels.

Rating: 200°F (93°C) to 950°F (510°C), Up to 11,000 psi (758 bar)



DEACON® 4011

Thermal Reactive Liquid Sealing Compound

DEACON 4011 is heat curing liquid sealing compound used in high temperature and high pressure applications. In the presence of heat, 4011 will form a mechanical-type seal that is unaffected by thermal cycling. This compound will not cement joints together so, it will not interfere with future repairs of metal-to-metal joints. 4011 will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, oil, or various chemical environments.

Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, steam traps and pressure vessels.

Rating: 600°F (315°C) to 1350°F (732°C), Up to 11,000 psi (758 Bar)



DEACON® 8875-THIN

Thermal Reactive Paste Sealing Compound

DEACON 8875-THIN is a heat curing paste sealant for flange faces, gaskets, and threads. Designed for the most extreme temperature applications, 8875-THIN will form a mechanical-type seal that is unaffected by thermal cycling in hot air, steam, hydrocarbons, and various chemical environments. 8875-THIN will not cement the flanges or threads together, allowing easy disassembly for future repairs. 8875-THIN will flow to fill small voids and surface irregularities, thus, creating a seal between the flange and gasket all while prolonging the life of the gasket.

Applications: Threaded fittings, exhaust systems, turbines, ductwork, any metal-to-metal joints, pump casing, gaskets, boilers, access doors, steam traps, stacks, heat exchangers, and pressure vessels.

Rating: 150°F (65°C) to 1800°F (982°C), Up to 5,000 psi (345 Bar)

DEACON® 770-P

Thermal Reactive Paste Sealing Compound

DEACON 770-P is a heat curing paste sealant that is used in high temperature and high pressure applications. Specially designed to be a flange or thread sealant, 770-P can also be used as a dressing on any type of traditional fabricated gasket. Unaffected by thermal cycling, 770-P will not cement joints together or interfere with future repairs. In the presence of heat, 770-P will form a mechanical-type seal against steam, oils, solvents, hydrocarbons, and a variety of chemicals.



Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, access doors, steam traps, stacks, heat exchangers and pressure vessels.

Rating: 200°F (93°C) to 950°F (510°C), Up to 11,000 psi (758 Bar)

DEACON® 4011-P

Thermal Reactive Paste Sealing Compound

DEACON 4011-P is a heat curing paste sealing compound used in high temperature and high pressure applications. In the presence of heat, 4011-P will form a mechanical-type seal that is unaffected by thermal cycling. This compound will not cement joints together, so it will not interfere with future repairs of metal-to-metal joints. 4011-P will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, oil, or various chemical environments.

Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, access doors, steam traps, stacks, heat exchangers, and pressure vessels.

Rating: 600°F (315°C) to 1350°F (732°C), Up to 11,000 psi (758 Bar)



DEACON® 8875

Thermal Reactive Paste Sealing Compound

DEACON 8875 is a thick, fibrous, heat curing paste sealant and refractory hybrid designed for extreme temperature applications. In the presence of heat, 8875 will expand and form a mechanical-type seal that is not weak and brittle like ceramics. While 8875 expands, it will flow to fill any surface pits, steam cuts, or gaps caused by irregularities or warpage. Ideal for use as a gasket dressing or to replace a gasket, 8875 will not cement the flanges together or interfere with future maintenance. On any application involving pipeline or containment vessels, 8875 will achieve a leak-free seal against hot air, steam, hydrocarbons and various chemical environments.

Applications: Exhaust systems, turbines, ductwork, any metal-to-metal joints, gaskets, access doors, heat exchangers and pressure vessels.

Rating: 500°F (260°C) to 1800°F (982°C), Up to 5,000 psi (345 Bar)



Sealing Compounds

DEACON® 3100

Extruded Gasket Compound

DEACON 3100 is an extruded putty-like joint sealant that can be used with or without a fabricated gasket, thus eliminating the need to inventory various gasket sizes and types. 3100 is fully compressible to 0.002 and will conform to any surface pits, steam cuts, or gaps caused by irregularities or warpage. Ideal for a gasket replacement, 3100 will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, or various chemical environments. It's well suited for use on any application involving pipeline or containment vessels that direct the flow of numerous industrial substances in gaseous, liquid, or solid form. 3100 cures to a flexible leather-like consistency and will not cement joints together.

Applications: Flange surfaces on ducts, heat exchangers, blowers, pumps, access doors, compressors, boilers, stacks, exhaust systems, pressure vessels, and turbines.

Rating: 200°F (93°C) to 950°F (510°C), Up to 1500 psi (103 Bar)



DEACON® 3300

Extruded Gasket Compound

DEACON 3300 is an extruded putty-like joint sealant that can be used with or without a fabricated gasket, thus eliminating the need to inventory various gasket sizes and types. 3300 is fully compressible to 0.002 and will conform to any surface pits, steam cuts, or gaps caused by irregularities or warpage. Ideal for a gasket replacement, 3300 will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, or various chemical environments. It's well suited for use on any application involving pipeline or containment vessels that direct the flow of numerous industrial substances in gaseous, liquid, or solid form. 3300 cures to a flexible leather-like consistency and will not cement joints together.

Applications: Flange surfaces on ducts, heat exchangers, blowers, pumps, access doors, compressors, boilers, stacks, exhaust systems, pressure vessels, and turbines.

Rating: 600°F (315°C) to 1600°F (871°C), Up to 1500 psi (103 Bar)



DEACON® 7228

Thread / Gasket Sealant Paste

DEACON 7228 is a viscous paste sealant designed for use on threaded fittings, flanges, and gasket applications. Slow drying and flexible setting, 7228 improves reliability, extends gasket life and stops leakage. It's ideal for applications involving heat transfer fluids, natural gas, water, sour service fuel gas, motor oil, gasoline, steam, ethylene glycol, various hydrocarbon gases and other chemical processes.

Applications: NPT connections, compressors, valve cover gaskets, wellhead flanges, hose connections, pump casings, mud motor threads, and any metal-to-metal joints.

Rating: -25°F (-32°C) to 450°F (232°C), Up to 10,000 psi (689 Bar)



DEACON® 6328

2-Part Rubber Sealant Compound

DEACON 6328 is a two-part rubber sealant compound with strong adhesion and excellent dielectric properties. Cures in 30 minutes at 70°F (21°C) and remains flexible. Chemically resistant to gasoline, solvents, transformer oil, hydrocarbons, alcohols, sodium hydroxide (50%), HF acid (under 25%) and water. 6328 provides a flexible rubber seal where standard silicone caulks cannot perform due to harsh chemical environments.

Applications: Threaded connections, compressors, pump casings, ducts, access doors, gearboxes, and any mating surfaces.

Rating: -50°F (-45°C) to 230°F (110°C)



DEACON® 327-RTV

One-part Acetoxy Cure Adhesive

DEACON 327-RTV is suitable for general industrial sealing and adhesive applications. This one-part rubber sealant will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces. 327-RTV has good resistance to weathering, vibration, moisture, and ozone. Meets or exceeds the following specifications: USDA for use in federally inspected meat and poultry plants.

FDA Regulation No.21 CFR 177.2600, TT-S-00230C (COM-NBS) Class A, and TT-S-001543A (COM-NBS) Class A, Canadian 19-GP-9MA Type 1 and MIL-A-46106.

Applications: Ducts, cracks, vents, fixtures, piping, door joints, machinery compartments, electrical controls, motors, fans, oven doors, appliances, formed-in-place gasket for gearboxes, compressors, and pumps.

Rating: -60°F (-51°C) to 500°F (260°C)



DEACON® 329-RED

One-part Acetoxy Cure Adhesive

DEACON 329-RED is suitable for general industrial sealing and adhesive applications. This one-part rubber sealant will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces. 329-RED has good resistance to weathering, vibration, moisture, and ozone. Meets or exceeds the following specifications: USDA for use in federally inspected meat and poultry plants.

FDA Regulation No.21 CFR 177.2600, TT-S-00230C (COM-NBS) Class A, and TT-S-001543A (COM-NBS) Class A, Canadian 19-GP-9MA Type 1 and MIL-A-46106.

Applications: Ducts, cracks, vents, fixtures, piping, door joints, machinery compartments, electrical controls, motors, fans, oven doors, appliances, formed-in-place gasket for gearboxes, compressors, and pumps.

Rating: -60°F (-51°C) to 600°F (315°C)



DEACON SPECIALTY PRODUCTS

DEACON® MOLD-PAC Casting Retainer Putty

DEACON MOLD-PAC is an asbestos-free damming, molding and positioning putty. It's designed for vibration suppression, positioning delicate parts, or as a damming compound for pouring Babbitt, epoxies, dielectric fluids*, and various molten materials**.

MOLD-PAC remains flexible, is easily packed in place, holds tight, can be quickly removed, and reused.

*MOLD-PAC EDM is recommended for mineral oil and other dielectric fluids. **MOLD-PAC HD is recommended for molten zinc.

Applications: Suppressing vibration on parts during fabrication, crushers, wire EDM, damming zinc, retaining a pool of epoxy, pouring Babbitt bearings, and filling voids.

Rating: Up to 1200°F (649°C)



DEACON® 427 2-Part Epoxy

DEACON 427 Two Part Epoxy has a one to one mix ratio and cures at room temperature, 65°F (18°C) to 70°F (21°C), within 24 hours. Heat curing is also an option for faster set up time and increased temperature resistance. Available in liquid mix (pourable), medium mix (pumpable), or fibered mix (trial on). 427 offers unsurpassed strength and chemical resistance to acids, caustics, fuels and various harsh chemicals. This solvent-free epoxy has low shrinkage characteristics, while maintaining an ultimate tensile strength of 7,500 PSI (liquid mix).

Applications: Filling voids, corrosion resistance, concrete stabilization, and joint locking.

Rating: 70°F (21°C) to 400°F (204°C)



DEACON® PFPE GREASE Chemically Inert Lubricant

DEACON PFPE GREASE is a nonflammable, nontoxic, PTFE thickened perfluorinated polyether fluid that provides optimum oxidation resistance at temperatures up to 500°F (260°C). PFPE GREASE has unmatched chemical and solvent resistance, excellent electrical and radiation resistance, and is compatible with nearly all elastomers and plastics. Due to its extreme resistance, PFPE GREASE can be utilized in such services as oxygen and chlorine where other lubricants would spontaneously combust as well as gasoline, benzene, and xylene, that easily wash away other lubricants.

Applications: Oxygen systems, o-ring lubrication and protection, food processing canning and textile equipment, valve, gasket and bolt applications with rail cars, equipment lubrication, cryogenic apparatuses, and pneumatic systems.

Rating: 0°F (-18°C) to 500°F (260°C)



DEACON® 275 -CHLORINE Chemically Inert Thread Sealant

DEACON 275-CHLORINE is a non-hardening, non-reactive, hydrocarbon free, self-lubricating thread sealant. Formulated to be corrosion inhibiting, non-migrating, and odorless, 275-CHLORINE contains no solvents and has excellent anti-seize properties. It's designed for use on chlorine, aggressive chemicals, and powerful oxidizers.

Applications: Threads on chlorine systems, pumps, valves, medical equipment, and other apparatuses.

Rating: -50°F (-45°C) to 400°F (204°C), Up to 10,000 psi (689 Bar)





has been a leader in the development and manufacturing of high quality products since 1949. Jet-Lube is recognized by the NLGI (National Lubrication Grease Institute) as a master blender of grease products, by the ASTM for our research, test and R&D lab, and the U.S. government for our Mil-Spec test capabilities. Jet-Lube's reputation as an industry leader has been earned in the world's harshest environments and the most demanding applications.



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