

P R O D U C T C A T A L O G

JET-LUBE

**Water Well,
Drilling, Mining,
Construction &
Environmental**

extreme Technology for extreme Conditions

Jet-Lube®'s Water Well, Environmental, and Horizontal Directional Drilling products have been recognized as the industry standard. Whether the products are thread compounds or thread sealants used on drill pipe collars, stabs, subs, wire and cable, or those products used on pumps, compressors, potable water connections, etc., Jet-Lube products have been "tested tough" on rigs and jobsites all over the world. Every Jet-Lube product is meticulously researched, developed, manufactured, and inspected to the industry's most comprehensive and rigorous quality control standards augmented by ISO 9001 Certification in 1993 for our Rockwall, Edmonton and United Kingdom manufacturing facilities.

Jet-Lube leads industry in the development of NSF Compliant products for drilling, production and lubrication applications that are proven environmentally compliant, while exceeding all expectations for performance. Our work in the industry for environmental products has led to the development of anti-seize and drilling compounds that address application compatibility and worker environment. Beginning in the 1980's, our work continues today to develop products that perform to customers' expectations while addressing the concerns for the environment. After years of reformulation and testing, Jet-Lube has established itself as the leader in the production of NSF compliant and environmentally safe products for industries worldwide.

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Jet-Lube has long been a member and active supporter of the NATIONAL GROUND WATER ASSOCIATION (NGWA), NATIONAL DRILLING ASSOCIATION (NDA), AUSTRALIAN DRILLING INDUSTRY ASSOCIATION (ADIA), DISTRIBUTION CONTRACTORS ASSOCIATION (DCA), as well as numerous other industry related groups.

Please note that container images may vary due to transitioning to a new GHS standard label in the near future.

Drill Pipe Compounds

KOPR-KOTE® Premium Drill Collar & Tool Joint Compound

Rating: Standard: 0°F (-18°C) to 450°F (232°C) • Thermal: 0°F (-18°C) to 700°F (370°C) • Arctic: -65°F (-55°C) to 300°F (149°C) • NSF H2 • Dropping Point: 450°F (232°C) • Not classified as a marine pollutant

KOPR-KOTE Drill Collar and Tool Joint Compound is widely regarded as the best copper-based drilling compound in the world. It is one of the few, if not the only, copper-based compound to receive both an NSF registration and a DOT exception for being marked as a marine pollutant. KOPR-KOTE is uniquely formulated to prevent excessive circumferential make up and has a very high static friction factor that helps prevent downhole joint make up when excessive drilling torques are encountered.



EXTREME® Mud Resistant Tool Joint & Drill Collar Compound

Rating: 0°F (-18°C) to 450°F (232°C) • Not classified as a marine pollutant • DOT approval CA2006100003 • Highly resistant to high pH drilling muds • Brushable and stable over a wide temperature range • Rust & corrosion inhibited formula • Excellent resistance to make up downhole • Sticks to wet joints • Conforms to the API RP7G make-up charts • High temp complex grease base • High dropping point >450°F • Friction factor 1.15

EXTREME is a premium compound that offers superior adhesion and prevents excessive make-up, while protecting your string from invert or high-pH muds used in more severe drilling situations. Lead and zinc free, EXTREME, incorporates JET-LUBE's most advanced hightemp complex base grease for brushability and stability over a wide temperature range.



21® Double-Duty Tool Joint & Drill Collar Compound

Rating: Standard: 0°F (-18°C) to 450°F (232°C) • Thermal: 0°F (-18°C) to 700°F (370°C) • Arctic: -65°F (-55°C) to 300°F (149°C) • Not classified as a marine pollutant • DOT approval CA2006100003 • Lead, zinc and PTFE free • Rust & corrosion inhibited formula • Excellent resistance to make up downhole • Sticks to wet joints • Conforms to the API RP7G make-up charts • High temp complex grease base • High dropping point >450°F • Friction factor 1.15

21 Tool Joint Compound is a high-quality product designed for less severe applications than KOPR-KOTE. It is formulated to prevent excessive circumferential make up of tool joints, and protects against galling and high stress to prolong thread and shoulder life. JET-LUBE's 21 is an ideal tool joint compound for consistent control of make-up and breakout. It may also be used on collars in less severe drilling conditions.



ECO-SAFE™ Drilling Compound

Rating: -20°F (-29°C) to 500°F (260°C) • Excellent performance on high-chrome or nickel alloys • Contains no metals • NSF 61 Certified & H2 Registered • Nontoxic • High film strength • High frictional properties

ECO-SAFE provides excellent protection against seizing and galling and can be used for pipe joints or thread connections. ECO-SAFE is an entirely metal-free compound containing carbon-based fibers, additives and other extreme pressure and anti-wear additives. These are blended into JET-LUBE's complex base grease, which offers the additional advantage of superior adhesion to wet steel surfaces and resistance to water wash-off.



JLS® Tool Joint Compound

Rating: Standard: 0°F (-18°C) to 450°F (232°C) • Thermal: 0°F (-18°C) to 700°F (370°C) • Arctic: -65°F (-55°C) to 300°F (149°C) • Lead Free • Zinc Free • Unique high temperature grease base with brusability over a wide temperature range • Sticks to wet joints • Low sulfur content • Consistent rig floor makeup • Resistance to further makeup downhole in medium drilling

JLS Tool Joint Compound is economical and formulated with premium-grade copper flake, amorphous graphite, extreme-pressure additives, rust and corrosion inhibitors, and other special-purpose ingredients at lower doses to be used in less severe drilling applications. JLS is recommended for use on tool joints in drilling medium depth formations. It provides consistent control of make up, break out, galling, and seizure.



Environmentally Safe Products

ECO-SAFE™ Drilling Compound

Rating: -20°F (-29°C) to 500°F (260°C)

- Excellent performance on high-chrome or nickel alloys
- Contains no metals
- NSF 61 Certified & H2 Registered
- Nontoxic
- High film strength
- High frictional properties

ECO-SAFE provides excellent protection against seizing and galling and can be used for pipe joints or thread connections. ECO-SAFE is an entirely metal-free compound containing carbon-based fibers, additives and other extreme pressure and anti-wear additives. These are blended into JET-LUBE's complex base grease, which offers the additional advantage of superior adhesion to wet steel surfaces and resistance to water wash-off.



Certified to
NSF STD 61
No. C0071457

BULLSEYE™ Water Well & Environmental Drilling Compound

Rating: 20°F (-7°C) to 400°F (-7°C) to 400°F (204°C) • (204°C) Hydrocarbon Free • Corrosion inhibited • Nontoxic • Biodegradable • Water and drilling mud resistant • Sticks to wet steel • Color - Yellow • All weather formula • Vegetable-Based Fluid

Designed for applications that prohibit the use of petroleum hydrocarbons, BULLSEYE contains a blend of vegetable oil and nonmetallic, inorganic, extreme pressure and anti-wear additives. It provides maximum protection against galling, seizing, and thread damage while maintaining well integrity.



WELL-GUARD™ Monitor Well Drill Compound

Rating: -10°F (-23°C) to 400°F (204°C)

- Petroleum hydrocarbon-free
- Biodegradable
- Hydrocarbon resistant
- Corrosion resistant
- Vegetable and synthetic base
- Nontoxic
- Chemically stable
- Pumpable
- NSF-61 Certified

Designed for monitor wells, this fully synthetic, hydrocarbon-free drill compound maintains the integrity of core samplings in environmentally sensitive test locations. WELL-GUARD provides maximum thread protection and prevents seizing.



Certified to
NSF STD 61
No. IA25762

NSF Certified products include:

Eco-Safe	NSF Standard 61 and Annex G	Drilling Compound
Well-Guard	NSF Standard 61	Water Well & Environmental Drilling Compound
Kopr-Kote	NSF	Drilling Compound
V-2	NSF Standard 61	Multi-Purpose Thread Sealant
NCS-30	NSF	Drilling Compound
White Knight	NSF	Food Grade Anti-seize
769	NSF	Lubricant/Penetrant
Magic Wrench	NSF	Super Penetrant

For a complete listing of all Jet-Lube NSF compliant products, please visit our website at www.jetlube.com.



Environmentally Safe Products

ALCO-EP™ ECF™

Extreme-Service Multipurpose Grease

Rating: -10°F (-23°C) to 450°F (232°C) • Meets the Norwegian "Yellow" and the combined UK and Netherlands "E" categories • Non-plating, organic, extreme pressure /anti-wear additives
 Contains polymer additives • Inherent water resistant • Extremely resistant to rust and corrosion • Dropping point 500°F (260°C)
 • Biodegradable • Thickener: Calcium Complex



Extremely water resistant, synthetic formula with organic additives that meet industries' most stringent biodegradation requirements. ALCO-EP ECF is an ideal grease for high-moisture climates and operations involving water where speeds are high and tolerances are low.

MAGIC WRENCH™

Super Penetrant

Rating: NSF Rated H1 • -60°F to 350°F (-51°C to 177°C) • Biodegradable • Lubricates and loosens rust • Low VOC Formula • Silicone free • Ozone safe • Non flammable (bulk) and non evaporative

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 an excellent for both food grade and non-food grade applications.



769 LUBRICANT®

Non flammable Penetrant/Lubricant/ Moisture Displacer/Protectant

NSF Rated H2 • 35KV dielectric strength • Non flammable • Nonevaporating • Contains No Silicones • NSN #'s – 9150-00-261-789, 8030-99-923-1633, 8030-00-181-7603 • MIL-C-81309 Type II & III, Class II, CO2 Grade (Aerosol)
 • MIL-C-81309 Type II & III, Class I (Bulk) • MIL-C-16173E Grade 3 • MIL-C-23411A, VV-P-216B



769 LUBRICANT is one of the leading lubricating, penetrating, moisture displacing, and corrosion preventative coating's on the market. This penetrant/lubricant is unequalled where salt water, salt spray or other harsh environments is present. 769 LUBRICANT gives total performance while being environmentally safe, easy to use and non flammable.

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.



Thread Sealants

Jet-Lube® Thread Sealants are manufactured to seal and secure metal, plastic and fiberglass piping and fittings. They fill the voids and imperfections on the threaded surfaces and 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.

V-2®

Multipurpose Pipe Thread Sealant with PTFE

Rated: 70°F to 500°F (-57°C to 260°C) • NSF 61 Certified • #21265 • Uniform Plumbing Code: IAPMO #1282 • Biodegradable • MIL TT-S-1732 • No VOC • Seals to 10,000 psi • Friction Factor - .07 • Brushable to 0°F • Contains PTFE • Safe to use on PVC & Fiberglass Fittings • No Odor

V-2 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. V-2 also has a bacteria/fungistat which is a food grade additive that will eliminate bacterial culturing.



Certified to NSF STD 61
No. C0071457

TFW™

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

Rated: -70°F to 500°F (-57°C to 260°C) • Biodegradable • Non-Melt • Contains PTFE • No VOC • Brushable to 0°F • 10,000 psi Rating (Liquids) • MIL-TT-S-1732 • Friction Factor - .07

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, NPT Thread Sealant & Anti-Seize

Rated: -100°F to 600°F (-73°F to 316°C) • Contains PTFE & Graphite • Brushable to 0°F • Soft setting formula non melt formula • Chemically inert • Pressures to 10,000 psi liquid and 2,000 psi natural gas & air • Friction Factor - .07

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.



TF-15®

Fiberglass Pipe Thread Sealant

Rated: -60°F to 600°F (-51°C to 316°C) • Non-Metallic • No VOC • Contains PTFE & Graphite • H2S Additive • Pressures to 10,000 psi Liquid and 2,000 psi Natural Gas & Pressurized Air • Frictions Factor - 0.7

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 back flow 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.



JET-LOK II

Two-Part Epoxy

Two-part epoxy with metallic fillers that can be used to permanently lock threaded connections. Jet-Lok II is specifically for use on all threaded joints or fasteners where an exceptionally strong and durable bond is required. It's ideal for locking threaded connections, filling cracks, quick repairs, stud/bolt fastening, insulating, pipe repair and all general purpose bonding needs. Jet-Lok II is brushable, chemical resistant and compatible with most substrates. This epoxy offers a distinct advantage over welding in that threaded connections may be broken out by heating to 550°F (288°C).



JET-LOK® HP-45

Hydraulic and Pneumatic High-Pressure Sealant

Withstands temperatures up to 300°F • Typical strength: 2,000-3,000 psi

JET-LOK HP-45 is a fast curing anaerobic sealant for hydraulic and pneumatic fittings up to 2" (51mm.) in diameter. It resists water, most solvents, vibration loosening and pressures up to 10,000 psi.





STERILENE™ Heavy-Duty Chlorine

- NSF 60 Certified • 55% available chlorine
- Granular but easy to mix, even in cold water
- No premixing to control pH
- No corrosive fumes
- No shelf life limitations
- Easy to use



STERILENE Chlorine is 200 times more effective at removing the environment for coliform bacteria in wells and pipelines. It is a sodium based, granular chlorine that does not require a control of pH using vinegar or acid to make it effective. STERILENE is far more effective than any other standard chlorine (liquid sodium hypochlorite or calcium hypochlorite) at a competitive price. This means a lower cost, no premixing, and far less failures.



UNICID™ GRANULAR Mineral Scale Remover

UNICID GRANULAR is a highly effective, granular acid formulated with organic acids and enhanced by chelates, dispersants and inhibitors. This mineral scale remover is noncorrosive safe for disposal and significantly safer than traditional sulfamic acids yet has unique dissolving capabilities. UNICID GRANULAR effectively dissolves blockage in wells, systems, and water tanks due to mineral scale, slime forming bacteria and the oxides created by decaying bacteria. This scale remover also suspends the debris to be pumped from the well or system, as well as protects metal surfaces from corrosion.



UNICID™ BULLETS Mineral Scale Remover

UNICID BULLETS is a granular acid, formulated with organic acids and enhanced by chelates, dispersants and inhibitors through a liquid encapsulation process. It's designed to enhance the solubility of metal salts formed from sulfates, carbonates, and iron oxides. UNICID BULLETS is significantly safer than traditional sulfamic acids yet has unique dissolving capabilities. This scale remover effectively dissolves blockage in wells, systems, and water tanks due to mineral scale, slime forming bacteria and the oxides created by the decaying bacteria. It also suspends the debris to be pumped from the well or system, as well as protects metal surfaces from corrosion.



pH NEUTRALIZE Acidic Liquid Neutralizer

PH NEUTRALIZE is an extremely concentrated, slightly alkaline liquid with a controlled pH buffer. PH NEUTRALIZE is a naturally occurring mineral, readily usable by plant and animal life upon disposal.



WIREHOG™ BRUSHES Well Casing & Pipe Cleaning Brushes

Rugged Construction • Sizes available to fit most well bores • Brush designs for steel or PVC pipes

In wells, as much as 95% of debris is created by biofouling (slime bacteria/iron bacteria) and 30-50% of mineral deposits may be on the inside of the well casing, screen or open bore hole.

Wire brushing with WIREHOG BRUSHES will remove this debris, and allow chemistry to more easily move into the aquifer.



UNICID™ CATALYST Mineral Scale Remover

UNICID CATALYST is a liquid organic, slightly acidic formulation with polymer dispersants. It effectively dissolves blockage in wells, systems, and water tanks due to mineral scale, slime forming bacteria and the oxides created by the decaying bacteria. It also suspends the debris to be pumped from the well or system, as well as protects metal surfaces from corrosion.



Cleaners & Degreasers

CLEAN-UP™

Industrial Cleaner & Safety Solvent

NSF Rated K1 • Non flammable • Ozone Friendly • Acid, Alkali Free • Low Odor • >29KV Dielectric Strength

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 Cleaner & Safety Solvent

Low VOC Formula • Compliant in all 50 states • Residue free Ozone friendly

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 the most stubborn contaminants without the use of fluorinated, chlorinated or SARA listed ingredients. It's 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 Rated C1 • Replaces 1:1:1 Trichloroethane • Non flammable Propellant • Natural Organic Formula • Ozone Friendly • Biodegradable • 29KV Dielectric Strength

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. This degreaser works immediately on contact, breaking down and dissolving even the most stubborn contaminants without the use of fluorinated, chlorinated or SARA listed ingredients. It slowly evaporates while cleaning, leaving a residue free surface. CLEAN-UP PLUS is safe on all metals and most plastics.



Specialty Products

WLD™ (Wire Line Dressing) **Wire Rope, Cable and Roller Chain Dressing & Lubricant**

Non-Melt Base Grease • Rated: -25°F to 350°F (-32°C to 177°C) • Black Brushable Formula • NSN # 9150-01-179-0228

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. Ideally suited for spooling applications where pneumatic lubricators are present for applying wire rope lubricants. Our special blend of rust and corrosion inhibitors will eliminate oxidation and are UV protected. WLD 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 drag line applications and as a lubricant for wire line guides and sheaves. WLD has the ability to penetrate in a working environment to protect the inner core strands of the cable or rope.



WRL™ (Wire Rope Lubricant/Oil) **Wire Rope and Chain Lubricant**

Rated: -25°F to 350°F (-32°C to 177°C) • Petroleum Oil • Color -Beige • Solvent Free • Pumpable

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 weathering conditions caused by offshore environments. WLD is highly resistant to rain and salt water atmospheres and ideally suited for offshore cranes and lashing lines. The formula of rust and corrosion additives make this lubricant 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.



PITLESS ADAPTER LUBE **Premium Assembly Lubricant/Preservative**

Rating: -40°F to 400°F (-40°C to 240°C) • Low V.O.C. Penetrates/Lubricates • Ozone Safe • Antibacterial/Antifungal Additive • Aerosol & Bulk • Safe on metal, plastics & most • Non-evaporative

PITLESS ADAPTER LUBE is specifically formulated to aid in the assembly and preservation of pitless adapters in waterwell casing applications. It incorporates USDA H-1 food grade anti-seize technology with elastomer preservation technology for use in applications where incidental food contact is likely.

PITLESS ADAPTER LUBE is formulated with a unique blend of mixed synthetics and white oil thickened with a food grade aluminum complex soap. The aluminum complex soap provides the highest level of water resistance with thermal stability. The blend of USDA H-1 fluids are carefully balanced to provide a wide range of elastomer compatibility and lubricity. The antibacterial/antifungal additive further extends life of the lubricant and reduces the potential for contamination. PITLESS ADAPTER LUBE is safe for use with nylon and all elastomer 'O' ring material.



Z-PLATE™ **Zinc-Rich Galvanizing Compound**

Z-PLATE provides the protection of hot-dip galvanizing plus the convenience of on-the-job aerosol application. Z-PLATE contains 95% pure zinc and forms a tough, durable and flexible zinc metal coating that actually bonds electrochemically with the base metal to protect against rust, rust spreading and corrosion.



Mining Construction & Blast Hole Drilling

J-75® & J-89™ Drill Steel Lubricants

Rating: 0°F (-18°C) to 450°F (232°C) • J-75 NLGI 3 – Brushable • J-89 NLGI 1.5 – Pumpable
• Resistance to shock and galling • Anti-friction properties • Prevents metal-to-metal properties
• Will not run out of hot threads • Water resistant • Prevents rust and corrosion

Performance proven, lead-free compounds specifically designed for percussion tools in road construction, logging, mining and coal, pneumatic and tract drilling. J-75 and J-89 are highly fortified to provide excellent resistance to shock, galling and seizure. Their anti-friction properties are unsurpassed, providing easy thread assembly and disassembly. Under make-up pressure, both J-75 and J-89 literally “plate” and form a tenacious armored coating that eliminates metal-to-metal contact while penetrating voids, surface imperfections and score marks to increase thread life on steel bits, joints and couplings. J-75 (brushable) and J-89 (pumpable) drill steel lubricants will not run out or melt out of hot threads.



KOPR-KOTE® Premium Drill Collar & Tool Joint Compound

Rating: Standard: 0°F (-18°C) to 450°F (232°C) • Thermal: 0°F (-18°C) to 700°F (370°C) • Arctic: -65°F (-55°C) to 300 °F (149°C) • NSF H2 • Dropping Point: 450°F (232°C) • Not classified as a marine pollutant



KOPR-KOTE Drill Collar and Tool Joint Compound is widely recognized as the best copper-based drilling compound in the world. It is one of the few, if not the only, copper-based compounds to receive both an NSF registration and a DOT exception for being marked as a marine pollutant. KOPR-KOTE is uniquely formulated to prevent excessive circumferential make up and has a very high static friction factor that helps prevent downhole joint make up when excessive drilling torques are encountered.

Horizontal Directional Drilling

KOPR-KOTE®

Premium Drill Pipe Compound

Rating: 0°F (-18°C) to 450°F (232°C) • NSF H2 Registered • Dropping Point: 450°F (232°C) • Not classified as a marine pollutant

JET-LUBE's heavy-duty, environmentally preferred drill pipe compound, KOPR-KOTE provides maximum protection against galling, seizing, and downhole make-up under even the most challenging of drilling conditions.

KOPR-KOTE contains copper flake, graphite, rust and corrosion inhibitors in a water resistant aluminum complex grease carrier. KOPR-KOTE is formulated to prevent excessive circumferential make-up and assure full hydraulic efficiency. KOPR-KOTE contains no lead, zinc, PTFE, or other materials that may be affected by elevated temperatures. KOPR-KOTE is unequalled in providing thread protection in demanding environments.



ECO-SAFE™

Drilling Compound

Rating: -20°F (-29°C) to 500°F (260°C) • Excellent performance on high-chrome or nickel alloys • Contains no metals • NSF 61 Certified & H2 Registered • Nontoxic • High film strength • High frictional properties

ECO-SAFE provides excellent protection against seizing and galling and can be used for pipe joints or thread connections. ECO-SAFE is an entirely metal-free compound containing carbon-based fibers, additives and other extreme pressure and anti-wear additives. These fibers and additives are blended into JET-LUBE's complex base grease. This base grease offers the additional advantage of superior adhesion to wet steel surfaces, and resistance to water wash-off.



Certified to NSF STD 61 No. C0071457

EXTREME®

Mud Resistant Tool Joint and Drill Collar Compound

Rating: 0°F (-18°C) to 450°F (232°C) • Not classified as a marine pollutant • DOT approval CA2006100003 • Highly resistant to high pH drilling muds • Brushable and stable over a wide temperature range • Rust & corrosion inhibited formula • Excellent resistance to make up downhole • Sticks to wet joints • Conforms to the API RP7G make-up charts • High temp complex grease base • High dropping point >450°F • Friction factor 1.15

This premium compound offers superior adhesion and prevents excessive make-up, while protecting your string from invert or high-pH muds used in more severe drilling situations. Lead and zinc free, EXTREME incorporates JET-LUBE's most advanced high-temp complex base grease for brushability and stability over a wide temperature range.



21®

Double-Duty Tool Joint & Drill Collar Compound

Note: Arctic and Thermal Grades available on all compounds • Standard Rating: 0°F (-18°C) to 450°F (232°C) • Thermal Rating: 0°F (-18°C) to 450°F (232°C) • Arctic Rating: -65°F (-55°C) to 300°F (149°C) • Not classified as a marine pollutant • DOT approval CA2006100003 • Lead, zinc and PTFE free • Rust & corrosion inhibited formula • Excellent resistance to make up downhole • Stick to wet joints • Conforms to the API RP7G make-up charts • High temp complex grease base • High dropping point >450°F • Friction factor 1.15

Formulated and blended from the same ingredients as KOPR-KOTE, JET-LUBE's 21 is specifically designed for intermediate drilling conditions such as softer formations. This medium-priced, environmentally preferred, lead-free product can be used throughout the entire drill string "from the swivel to the bit," on drill collars, tool joints and more.



JET-LOK II

Two-Part Epoxy

Two-part epoxy with metallic fillers that can be used to permanently lock threaded connections. Specifically for use on all threaded joints or fasteners where an exceptionally strong and durable bond is required. Jet-Lok II is ideal for locking threaded connections, fill ling cracks, quick repairs, stud/bolt fastening, insulating, pipe repair, and all general purpose bonding needs. It is brushable and chemical resistant and compatible with most substrates. Jet-Lok II offers a distinct advantage over welding in that threaded connections may be broken out by heating to 550°F (288°C).



HDD KOPR-AUTOLUBE™

Tool Joint and Drill Rod Compound

Rating: -65°F (-55°C) TO 300°(149°C) Not classified as marine pollutant – DOT Approval CA2004080025 • NSF H2 Registered (No.120923) • Contains no lead or zinc • Low pour point oil for optimum low temperature performance • Specially formulated to meet the requirements of the auto-lube systems on most major HDD rigs • Anhydrous calcium grease base protects against rust and corrosion • Sticks to wet joints • Unequaled resistance to makeup downhole • Conforms to assembly bill 1953

HDD KOPR-AUTOLUBE is a premium-quality, unleaded compound containing copper flake, graphite, and other natural extreme pressure and anti-wear additives. HDD KOPR-AUTOLUBE uses the same solids package as standard KOPR-KOTE, only in a smaller particle size range to accommodate automatic application systems.



Drilling Accessories

DOPE BRUSHES

Tool Joint Compound

Tapered and Beveled ends • Non-abrasive • Thick handle
• 12" & 30" brush lengths

DOPE BRUSHES for 1, 2, & 5 gallon compounds. This brush is designed to hold drilling compounds for ease of applying the heavy grease based material and will not allow the compound to run or drip off the brush/bristles.



OG-H™

Heavy-Duty Open Gear Lubricant

Rating: 0°F to 550°F (-18°C to 288°C) •

Non-Melt Grease Base • Brushable
FormulaBlack Sticky Paste • NLGI Grade 3

This blend of mineral oils, molybdenum disulfide and graphite combined with rust and corrosion inhibitors is ideal for open, outdoor surfaces. OG-H is specially formulated for gears, gearboxes, trunnion rollers and thrust rollers. It is an ideal open gear lubricant 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.



GEAR-GUARD™

Premium Lubricant Paste

Rating: 0°F to 550°F (-18°C to 288°C)

• Brushable/Pumpable formula • Black, Sticky Semi-Fluid • Petroleum Oil Based Material

GEAR-GUARD was 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 molybdenum disulfide and graphite in a water resistant 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.



PS TERMINAL™

CFC-Free Electrical Contact Cleaner

95% Free of Federal VOC • Safe on plastics* •
Nonflammable • Nonstaining • Residue Free • Odorless •
May be used while equipment is operating • >35kv
Dielectric Strength • NSF K2 Registered

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. PS TERMINAL will penetrate and remove dirt, grease and organic contaminants and then evaporate 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 Methacryl (Acrylic Resin). Test in an inconspicuous area before using.*



#202 MOLY-LITH™

Multipurpose Grease with Moly

Rating: 0°F to 300°F (-18°C to 149°C) • NLGI Grade 2 •

Contains Molybdenum Disulfide (MoS₂) for friction reduction and high load capacity • Superior metal adhesion • Pumpable • Resistant to water, heat, weathering and oxidation B • Color Black

#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 a high temperature, lithium 12-hydroxystearate soap grease containing micro-fine molybdenum disulfide (MoS₂). #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 is recommended for automotive and industrial applications, including all grease fittings where semi-solid or plastic consistency grease is normally used. It can also be used in grease cups, pre-sealed bearings and general chassis lubrication.



Drilling Accessories

EP WHITE GREASE

Construction Grade Lithium Grease

Rating: 0°F to 325°F (-18°C to 163°C) • 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 non-staining 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.

EP WHITE GREASE was specifically designed to be one lubricant that takes care of wheel bearings, chassis points, ball joints, slides, rollers, small gears, hinges, overhead tracks, construction equipment, mining, logging, marine and a variety of industrial applications.



SILICONE DM™

Dielectric Grease

NSF H-1 Registered #132224 (DM-3), #132225 (DM-2) • Water Resistant • Nontoxic • Wide temperature range • Chemical Resistant • Translucent Paste • Highly resistant to oxidation and 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 • Standard NLGI 3

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. SILICONE COMPOUND DM is not recommended for use on surfaces that need to be painted. It's excellent for high temperature bearings, conveyor systems, and low-temp refrigeration systems.



ALCO-EP-73 PLUS™

Premium Multipurpose Grease

Rating: -25°F to 450°F (-32°C to 232°C) • Superior rust and 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, multipurpose 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 to further enhance enhancing the inherent water resistance of an aluminum complex based grease. ALCO-EP-73 PLUS is extremely resistant to rust and corrosion and ideally suited for use in high moisture areas.



CB-2™ SUPER-LITH

Multipurpose Grease

Rating: 0°F to 300°F (-18°C to 149°C) • Protects against rust and 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

Rating: 0°F to 450°F (-18°C to 232°C) • NSF H2 Rated
• Color - White • Water Resistant • Prevents Rust and Corrosion
• Pumpable • Resists Heat and Oxidation • NLGI Grade 2

WHITE LITHIUM GREASE with PTFE penetrates and forms a long-lasting 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.



Jet-Lube[®] has been a leader in the development

and manufacturing of high quality grease 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.