

P R O D U C T G U I D E



**JET-LUBE<sup>®</sup>**

**Food Grade  
Products**

## Greases

### CC Lube™

#### Semi-Synthetic Multipurpose Lubricant

0°F (-18°C) to 400°F (204°C) • Color – Clear • Contains PTFE • Biodegradable • Extremely water resistant • Nontoxic • Nonstaining • Colorless and odorless

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.

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.

NSF Reg. No. – 48221, NSF Code – HI

70550 – 14 oz. Cartridge, 70523 – 5 lbs. (1 gal), 70516 – 35 lbs. (5 gal), 70524 – 120 lbs. (15 gal), 70529 – 400 lbs. (50 gal)

### FMG™

#### Food Machinery Grease

0°F (-18°C) to over 400°F (204°C) • Non-pound out formula • Bacteriostatic agent • Anti-wear additives • Color – white

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. Polymer additives provide adhesive/cohesive strength to protect against pound-off when shock loads are encountered. For slower speeds, higher loads or greater adhesion and water resistance, FMG is also available in an ISO 460 grade.

FMG is recommended for the lubrication of roller, needle, ball, journal and sliding bearings in the food processing and handling industry.

NSF Reg. No. – 48225, NSF Code – HI



### MP Silicone™

#### Nonconductive Grease

Direct comparison to Dow Corning® 4 Compound and Dow Corning® 7 Compound.

A registered trademark of Dow Corning Corporation USA • Will not carbonize at high temperatures • Water resistant • Nontoxic/Safe • Wide temperature range • 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-temp refrigeration systems. It is not recommended for use on surfaces to be painted.

NSF Reg. No. – I27362, NSF Code – HI  
32450 – 14 oz. Cartridge, 32460 – 5 oz. Squeeze Tube, 32416 – 35 lbs. (5 gal), 32424 – 120 lbs. (15 gal)



### Silicone Compound DM™

#### Dielectric Grease

Direct comparison to Dow Corning® 111 Compound. A trademark of Dow Corning Corporation USA • Water resistant •

Nontoxic/Safe • Wide temperature range • Extremely 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. It is not recommended for use on surfaces to be painted. Excellent for high temperature bearings, conveyor systems and low-temp refrigeration systems.

NSF Reg. No. – I32224 (DM-3) and I32225 (DM-2), NSF Code – HI

73550 – 14 oz. Cartridge, 73560 – 5 oz. Squeeze Tube, 73505, 1 lb. Can, 73506 – 5 lbs. Can, 73516 – 35 lbs. (5 gal), 73524 – 120 lbs. (15 gal), 73529 – 400 lbs. (50 gal)



## White Lithium Grease

### Premium Grease with PTFE

0°F to 450°F (-18°C to 232°C) • Color – White • Water resistant • Prevents rust and corrosion • Pumpable • Resists heat and oxidation

WHITE LITHIUM GREASE with PTFE is a premium, all-purpose grease that provides superior performance and protection for metal and moving parts for any application.

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.

NSF Reg. No. – 137549, NSF Code – H2

50350 – 14 oz. Cartridge, 50305 – 1 lb. Can, 50306 – 5 lbs. Can,

50341 – 13 oz. Aerosol, 50316 – 35 lbs. (5 gal.),

50324 – 120 lbs. (15 gal.), 50329 – 400 lbs. (50 gal.)



## Jet-Lube 5000™

### Water-based Cleaner and Degreaser

Ph – 7-8 • Biodegradable • Nontoxic • Noncorrosive • Nonflammable • Nonfuming

Contains no 1:1:1 Trichloroethane, fluorocarbons or SARA listed ingredients. Free of acids, alkalis, chlorides, ethylene glycol ethers, phosphates and TTOs (Total Toxic Organic Compounds).

JET-LUBE 5000 effectively removes carbon, grease, oil and other organic deposits. Environmentally safe and ozone friendly. Use full strength for maximum results or dilute with fresh or salt water. Used for heavy-duty parts degreasing, pressure washing, steam cleaning, ultrasound cleaning, or simply by brushing or spraying and then rinsing with water or wiping clean. JET-LUBE 5000 is safe on all metals, most plastics, vinyl, rubber, and fiberglass, carpet, wood and concrete.

NSF Reg. No. – 48229, NSF Code – A1, B2, C1

71043 – 16 oz. Trigger Spray, 71033 – 1 gal., 71035 – 5 gal., 71029 – 50 gal.



## Cleaners

### Clean-Up™

#### Industrial Cleaner and Safety Solvent

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.

NSF Reg. No. – 137558, NSF Code – K1

61542 – 18 oz. Aerosol, 61533 – 1 gal., 61535 – 5 gal.



### Clean-Up Plus™

#### Citrus Degreaser

Replaces 1:1:1 trichloroethane • Nonflammable propellant • Natural organic formula • Ozone-friendly • Biodegradable • 29KV dielectric strength

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

NSF Reg. No. – 144906, NSF Code – C1

72542 – 15 oz. Aerosol, 72535 – 5 gal., 72529 – 50 gal.



## 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

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 CFCs 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 HCFCs and HFCs 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.

NSF Reg. No. – 136910, NSF Code – K2

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

60242 – 14 oz. Aerosol



## Specialties

### Food Grade Silicone

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. Excellent release agent. Will not gum or form unwanted residues, leaves a clear film that is moisture-resistant, long-wearing, odorless, colorless and nontoxic.

NSF Reg. No. – 137548, NSF Code – H1

50641 – 12 oz. Aerosol



## Magic Wrench™ Super Penetrant

-60°F to 350°F (-51°C to 177°C) • Biodegradable • Destroys rust • Lubricates • Low VOC formula • Silicone-free • Ozone safe • Nonflammable (bulk) • Nonevaporative

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

NSF Reg. No. – 48231 (Bulk), 48230 (Aerosol), NSF Code – H1  
39541 – 13 oz. Aerosol, 39543 – 16 oz. Trigger Spray, 39533 – 1 gal.,  
39535 – 5 gal., 39529 – 50 gal.



## Oven Chain Lubricant™

-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.

NSF Reg. No. – 113601, NSF Code – H1  
33216 – 35 lbs. (5 gal.), 33224 – 120 lbs. (15 gal.), 33229 – 400 lbs. (50 gal.)



## Renew™ Belt Dressing

Prevents slippage • Stops squeaks, squeals • Extends belt life • Resists water wash-off • Increases power • USDA/FDA authorized

RENEW was developed to meet the demands of today's industrial grade belt usage. RENEW eliminates problem belt slippage on all round, flat and "V" power transmission belts, auto fan belts and all industrial and farm machinery belt drives.

RENEW's dry, tacky film increases traction while permitting decreased belt tension for longer belt life. Can increase power up to 50%. RENEW is resistant to water wash-off and performs effectively under wet conditions. RENEW removes residual build-up and will not glaze or collect dirt and dust. May be applied while belts are in operation.

NSF Reg. No. – 137631, NSF Code – P1  
50941 – 12 oz. Aerosol



## Thread Sealants

### V-2®

#### Multipurpose Pipe Thread Sealant with PTFE

-70°F to 500°F (-57°C to 260°C) • 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 and 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. V-2 is 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.

NSF Reg. No. – 121265, NSF Code – P1  
35555 – 1/4 pt. Brush Top, 35502 – 1/2 pt. Brush Top,  
35504 – 1 pt. Brush Top, 35507 – 1 qt. Brush Top, 35523 – 1 gal.,  
35515 – 5 gal., 35524 – 15 gal., 35529 – 500 lbs. (50 gal.)



## Coatings

### 769 Lubricant®

#### Nonflammable Penetrant/Lubricant/Moisture Displacer/Protectant

35KV dielectric strength • Nonflammable • Nonevaporating • Contains no silicones • NSN #s – 9150-00-261-789, 8030-99-923-1633, 8030-00-181-7603 • MIL-C-81309 Type II and III, Class II, CO<sub>2</sub> Grade (Aerosol) • MIL-C-81309 • Type II and III, Class I (Bulk) • MIL-C-16173E Grade 3 • MIL-C-23411A, VV-P-216B

769 LUBRICANT is the foremost lubricating, penetrating, moisture-displacing and corrosion-preventative coating available today. Unequaled 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 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.

NSF Reg. No. – 137551 (Bulk), 137644 (Aerosol), NSF Code – H2  
37341 – 12 oz. Aerosol, 37343 – 16 oz. Trigger Spray, 27533 – 1 gal.,  
27535 – 5 gal., 27529 – 50 gal.



## Drill Collar and Tool Joint Compounds

### Kov'r-Kote® Double-Duty Compound Tool Joint Compound/Sealant

The unique blend of polymers, graphite and friction-reducing additives makes KOV'R-KOTE ideal for drill collars, drill pipe and tubing and can be used for bottom hole assemblies. This metal-free formula was developed to address concerns related to products containing zinc, copper and heavy metals.

While maintaining multifunctional capabilities, KOV'R-KOTE is recommended for use on shouldered and interference threads and is ideal for small and large diameter drill pipe.

KOV'R-KOTE has exceptionally high film strength (1000kgf) which makes this product ideal as a jacking gear grease. KOV'R-KOTE exceeds all performance specs in the API specification 5CT and API Recommended Practice 5A3. KOV'R-KOTE contains additives for rust, corrosion and oxidation protection, while maintaining consistent rig floor make-up and excellent resistance to make-up downhole.

Service 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 Reg. No. – 127360, NSF Code – H2



### NCS-30® Tool Joint and Drill Collar Compound

NCS-30 is a premium-quality, nonmetallic compound containing carbon-based fibers and additives and other natural extreme-pressure and anti-wear additives. These are blended into JET-LUBE's high-temp, calcium-complex base grease. This new base grease offers the additional advantage of superior adhesion to wet steel and resistance to water wash-off. Especially effective for invert or high-pH muds.

Service Rating: -65°F (-54°C) to 500°F (260°C)  
NSF Reg. No. – 139876, NSF Code – H2



## Anti-Seizes

### Kopr-Kote® Anti-Seize and Thread Lubricant

-65°F to 1800°F (-54°C to 982°C) • MIL PRF-907E • Load rating – 80,000 psi • Friction coefficient (K-factor) – .15 • 10% pure metallic copper flake • No VOC • NSN #8030-01-239-8703 • Not classified as a marine pollutant • DOT approval CA2004080025

KOPR-KOTE 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 .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.  
NSF Reg. No. – 120923, NSF Code – H2

10055 – 1/4 lb. Brush Top, 10002 – 1/2 lb. Brush Top,  
10004 – 1 lb. Brush Top, 10007 – 2 lbs. Brush Top,  
10041 – 12 oz. Aerosol, 10050 – 14 oz. Cartridge,  
10091 – 1 gal., 10092 – 2.5 gal., 10093 – 5 gal.



### White Knight™ Food Grade Anti-Seize Thread Lubricant

-65°F to 1800°F (-54°C to 982°C) • Color/Appearance – White • FDA REG: CFR 21 part 178.3570 • MIL-PRF 907E • Load rating – 80,000 psi • No metallic content

WHITE KNIGHT is a non-drying, synthetic fortified thread lubricant. 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.

Use on threaded fasteners for food processing equipment, threaded bottle filling heads and baking oven chain drives. Effective on stainless steel, aluminum, iron galvanized fittings and plastic/nylon components.  
NSF Reg. No. – 48235, NSF Code – H1

16402 – 1/2 lb. Brush Top, 16404 – 1 lb. Brush Top,  
16423 – 1 gal., 16412 – 2 gal., 16415 – 5 gal., 16429 – 50 gal.



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#### **NSF Categories**

- A1 *Compounds for use as a general cleaner.*
- B2 *Laundry compounds for fabrics not contacting food.*
- C1 *Compound for use on all surfaces in inedible product areas, nonprocessing areas and/or exterior areas.*
- H1 *Lubricants with incidental contact.*
- H2 *Lubricants with no food contact.*
- K1 *Cleaning and/or degreasing solvents for use in nonprocessing areas.*
- K2 *Solvents for cleaning electronic instruments.*
- PI *Miscellaneous products – refer to the Registration Letter for acceptable use.*

To view a list of Jet-Lube's NSF-rated products and links to their NSF registration letters, please go to <http://www.nsf.org/USDA/Listings.asp?Company=N04209>.