



U.S. Government Specifications:

Military Specifications:

Krytox™ 240 AZ Grease Grade 1 meets MIL-PRF-27617 Type I
Krytox™ 240 AB Grease meets MIL-PRF-27617 Type II
Krytox™ 240 AC Grease meets MIL-PRF-27617 Type III
Krytox™ FPG 028 Grease meets MIL-PRF-27617 Type IV
Krytox™ 240 AD Grease meets SM-C-806563

National Stock Numbers (NSN):

Krytox™ 143 AZ: Oil (all sizes) 9150-01-106-1008
Krytox™ 240 AZ: Grease (8 oz. tube) 9150-01-007-4384
Krytox™ 240 AB: Grease (2 oz. tube) 9150-01-088-0498
Krytox™ 240 AC: Grease (8 oz. tube) 9150-00-961-8995
Krytox™ 240 AC: Grease (all sizes) 9150-00-422-8066

General Product Overview

Krytox™ GPL Oils and Greases

General Purpose Lubricants. Temperature range from -70°F to 650°F. For extreme pressure, anticorrosion, anti-rust and anti-wear. Excellent oxidative and thermal stability. Radiation resistant. Low outgassing. Oils are clear, colorless and odorless. Most greases are thickened with PTFE. NLGI Grade 2 unless specified.

Krytox™ Aerospace Oils and Greases

Same properties as Krytox™ GPL. Some aerospace grades are further tested to meet military specifications (see above).

Krytox™ XHT Oils and Greases

Extra high temperature to 800°F.

Krytox™ EG Greases

Electronic grade greases (stable to 550°F). Suitable for use in semiconductor and cleanroom applications.

Krytox™ XP Oils and Greases

With patented soluble additives for anti-rust, anti-wear and extreme pressure. Runs quieter than greases with solid additives.

Krytox™ Formulations

Aerosols for lubricating hard-to-reach places with pinpoint accuracy. Bulk for thin film lubrication.

mil Pure™ Cleaning Solvents

To compliment our full lubricant line, we offer mil Pure™ Re-Move™ and PrepClean™ both in bulk and in aerosol.

Technical Service

To select the most suitable lubricant for your application, please call Technical Service at **800.992.2424** (8-4 Eastern Time). In Canada, call **800.323.4621** (8-4 Eastern Time). support@mschem.com

To Place an Order:

Connecticut

55 Backus Avenue
Danbury, CT 06810 USA
800.442.3424 / 203.743.4447

Illinois

6348 Oakton Street
Morton Grove, IL 60053 USA
800.447.4866 / 847.966.2022

California

12261 Foothill Boulevard
Sylmar, CA 91342 USA
800.771.8161 / 818.896.4714

Canada

280 Belfield Road
Toronto, Ontario M9W 1H6 Canada
800.307.2199 / 416.675.3204

www.miller-stephenson.com

Quality and Service Since 1955



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THE RECOMMENDATIONS MADE HEREWITH AND THE INFORMATION SET FORTH WITH RESPECT TO THE PERFORMANCE OR USE OF OUR PRODUCTS ARE BELIEVED, BUT NOT WARRANTED, TO BE ACCURATE. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY, AS TO FITNESS OR PERFORMANCE, EXPRESS OR IMPLIED, AND UPON CONDITION THAT PURCHASERS SHALL MAKE THEIR OWN TEST TO DETERMINE THE SUITABILITY OF SUCH PRODUCTS FOR THEIR PARTICULAR PURPOSES. LIKEWISE, STATEMENTS CONCERNING THE POSSIBLE USES OF OUR PRODUCTS ARE NOT INTENDED AS RECOMMENDATIONS TO USE OUR PRODUCTS IN THE INFRINGEMENT OF ANY PATENT.



Distributor Since 1991



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Krytox™ Fluorinated Oils & Greases

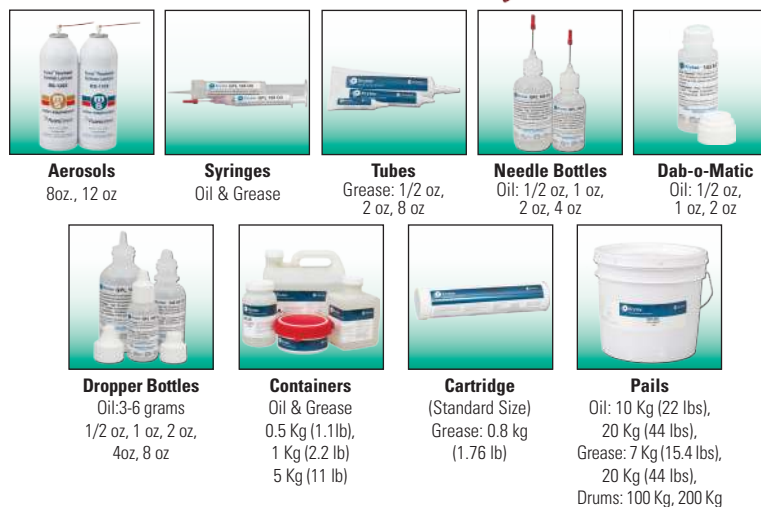
Originally developed for the U.S. Space Program, Krytox™ lubricants are a family of fluorinated synthetic oils and PTFE thickened greases that perform where conventional lubricants fail. Krytox™ lubricants exhibit superior lubricity, high load carrying ability and extra wear protection. Excellent for high temperature applications and chemically aggressive environments. Available in general purpose, mil-spec and food grades. Some lubricants also have a National Stock Number (NSN).

Advantages:

- **High Temperature Stability**, up to 800°F / 426°C
- **Wide Operating Range**, from -103°F (-75°C) to greater than 800°F (426°C), compared with hydrocarbon lubricants with an operating range of 0°F (-18°C) to 210°F (98°C).
- **Oxygen Compatibility**, safe for oxygen service.
- **Chemical Inertness**. Insoluble in hydrocarbons, petroleum distillates, water, steam, chemical solvents and acids/bases. Provides extra protection against aggressive chemicals that degrade conventional lubricants.
- **Chlorine Compatible**
- **Ionizing Radiation Resistance**, more stable than most hydrocarbon and synthetic materials.
- **Compatible** with plastics, elastomers, metals and ceramics.
- **Extends Service Life** of critical components. Reduces down time and maintenance costs.
- **Low Vapor Pressure**
- **Low Outgassing**
- **Nonflammable**
- **Nontoxic**
- **No Migration**, contains no silicones.
- **H1 & H2 Food Grade Rated**
- **Aerospace & Aviation Grades**
- **Mil-spec Grades**

Packaging:

Custom packaging
also available.
*No minimum order
quantities.



Aerospace

- valves & o-rings in oxygen service
- LOX pump bearing housings
- gyroscope fluid
- fuel pumps
- hydraulic fuel valves
- actuation & control systems

Automotive

- CV Joints
- anti-lock braking systems
- fuel pumps
- wheel bearings
- alternator bearings
- spark plug boots & threads
- universal joints
- rear axle drive flange
- weatherstripping

Applications:

Chemical Manufacturing

- (oxidizers, explosives, caustics, corrosives)
- control valves
- stopcocks, ground glass joints
- pressure relief valves
- induced draft fan bearings
- pumps in chlorine service
- seals, o-rings in storage tanks
- reactor agitator shaft seals
- stack emission control valves
- knife gate valves, sulfuric acid mfg.
- particle sifter gyrator
- metering pumps
- plug valves, corrosive chemical service
- slide valves
- gearboxes

Clean Rooms

- valves & bearings
- overhead conveyor systems

Electronics

- rack & pinion disk drives
- laser/compact disks
- electric motor bearings
- plasma etch systems
- electroplating equipment
- wave soldering machines
- clean room equipment
- wafer processing equipment

Fire Safety

- Self Contained Breathing Apparatus
- sprinkler systems - valves, o-rings
- fire detectors
- deluge valve systems

Food Processing & Packaging

- bearings, chains and gearboxes
- high temperature fans and ovens
- vacuum pumps and valves

Foundries / Metal Manufacturing

- pump shaft bearings
- hot roll bearings
- plug valves
- stack emission control valves
- electric arc furnaces

Marine

Medical

Oil / Petrochemicals

- down-hole drilling equipment
- emission control valves
- pipeline inspection equipment
- camshaft bearings - inlet control valves
- line system valves

Optics

- laser optics
- vacuum chamber thrust bearings
- optical stage equipment
- laser positioning gears
- sputtered coatings

Oven Conveyor Systems

- kiln car bearings
- trolley bearing assemblies
- Oxygen Service

Paper & Pulp Manufacturing

- single facer corrugating machines
- sodium chlorite bleach-valve stem
- through-air drying equipment
- hot oil unions

Pharmaceutical Manufacturing

Plastics Manufacturing

- blow & fill rotator bearings
- gear pumps, extrusion lines
- heated roll bearings
- injection molding equipment

Power Generation

- high temperature bearings & valves
- electric submersible equipment
- pillow block bearings on fan coil units
- control rod drive mechanisms
- inlet control valves
- turbine cam follower roller bearings
- sump pump bearings
- steam turbine governor
- sootblower carriage bearings and gears
- hydro grate stoker
- damper bearings
- steam and other high temperature valves
- knife gate valves
- fan bearings
- gas turbine trunnion bearing
- steam turbine governor
- radiation resistant lubricant
- switchgear electrical contacts

Textile Manufacturing

- extruding lines
- dye machines
- needle looms
- separator roll & pillow block bearings

Vacuum Systems

- light bulb manufacturing
- electrostatic ion beam systems
- metal deposition
- mechanical pumps
- dry pump gearboxes

Water Treatment

- co-deck rotary union
- chlorine whips
- ozone cells, diaphragm housing sealant
- water immersed valves & bearings