

Kleergel Corrosion Inhibitor Synthetic Grease

Kleergel is chemically manufactured from highly engineered synthetic lubricants. A major consideration of the manufacturer was to formulate products that were environmentally friendly and non-toxic. The manufacturer has succeeded in this respect as it relates to Kleergel's heavy-duty synthetic corrosion inhibitor grease.

Kleergel's Heavy Duty Synthetic Corrosion Inhibitor Grease

This high performance synthetic grease is a non-staining, non-toxic multipurpose lubricant which outperforms all petroleum based greases and many synthetic greases. Compared to petroleum-based greases, which contain many impurities, Kleergel's product is free of contamination and is one reason why it performs better at higher and lower temperatures and under more demanding conditions.

Synthetic corrosion inhibitors by their nature are not as easily prone to oxidation, emulsification and other destructive chemical reactions which are inherent to petroleum-based greases. Kleergel further improves the performance of its grease by adding special anti-wearing, anti-rusting, and anti-oxidative additives.

Petroleum-based greases contain impurities which reduce film strength and decrease wear protection. These greases form by adding thickeners (calcium, sodium, lithium, waxes) to petroleum-based oils which form harmful deposits at high temperatures and solidify at low temperatures.

Petroleum-Based Greases

1. Contain impurities and waxes that may cause harmful viscosity changes and decrease protection
2. Forms gummy deposits and carbon at high temperatures
3. Hardens at low temperature

Kleergel's Synthetic Multipurpose Grease

1. Special ingredients provide excellent viscosity and film strength to reduce wear
2. Continuous operating temperatures at 350 °F and at 500 °F for intermittent use
3. Contains no impurities and remains flexible at -50 °F

Benefits of Kleergel's Heavy Duty Multipurpose Corrosion Inhibitor Synthetic Grease

- It reduces cost of grease by lasting on average four times longer than petroleum-base lubricants.
- Kleergel's grease is non-flammable, non-staining, non-toxic, clear and environmentally safe.
- Machinery shows less wear and will run cooler thereby increasing its life expectancy.
- Grease will reduce energy consumption by decreasing friction.
- Reduces inventory cost and confusion as grease will replace all other specialized products.
- Kleergel's high performance grease will reduce friction, improve wearing, reduce maintenance costs and result in longer machinery life.

Criteria for Replacing Petroleum-Based Greases with Kleergel's Corrosion Inhibitor Synthetic Grease

1. **Viscosity:** This term defines the ability of a fluid or semi-fluid to maintain and resist flow. Kleergel Corrosion Inhibitor synthetic grease has a National Lubricating Grease Institute (**NLGI**) rating of #1 for grease thickness. This is the same thickness of grease in most machinery and equipment applications.
2. **Temperature Range:** Kleergel Corrosion Inhibitor synthetic grease will replace all greases that operate within a temperature range of -50 °F to 500 °F.
3. **Application:** Kleergel's Corrosion Inhibitor synthetic grease can replace greases used for almost all applications except those that are used in extreme shock and pressure environments where molybdenum disulfide (Moly grease) or anti-seize lubricant is recommended.

Kleergel's Synthetic Multipurpose Grease Applications

Flanges	Cams	Radio antenna assemblies
Plain and anti-friction bearings	Cables	Gaming machines
Ball and roller bearings	Fifth wheels	Snow removal equipment
Disc brake assemblies	Valves	Electronic equipment
Paving equipment	Freezers	Electric motor bearing
Food processing equipment	Ovens	Conveyors
Switch assemblies	Blowers	Open gears
Water pumps	Fans	Parking meters
Chassis points	Chains	Slides
Derailers	Latches	Hinges
Fishing reels	Car doors	Garage door tracks
Forklifts	Hand trucks	Industrial machinery

Conventional Petroleum-Based Greases Which May Be Replaced By Kleergel's Synthetic Multipurpose Grease

- Lithium, Calcium, Bentone, and Aluminum complex greases
- High temperature grease
- Low temperature grease
- Food grease
- Dielectric grease
- Multipurpose grease
- Electric motor grease
- Bearing grease
- Valve sealant
- O-ring lubricant
- Wheel bearing grease
- Marine grease'

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Here are some common questions about Kleergel's Corrosion Inhibitor synthetic grease

Is the grease now on my flanges compatible with Kleergel's Corrosion Inhibitor synthetic grease?

Yes, but it is necessary and would be most beneficial to remove old petroleum-based grease when adding the synthetic grease.

Can Kleergel's Corrosion Inhibitor synthetic grease be used as a valve lubricant and sealant?

Yes, Kleergel's Corrosion Inhibitor synthetic grease creates a non-curing moisture barrier for valve sealing and lubricating.

Can Kleergel's Corrosion Inhibitor synthetic grease be used as dielectric grease?

Yes, Kleergel's Corrosion Inhibitor synthetic grease has excellent electrical insulating properties and will protect electrical and electronic equipment from moisture infiltration.

Can Kleergel's Corrosion Inhibitor synthetic grease be used as a protective coating?

Yes, materials and equipment coated with Kleergel's Corrosion Inhibitor synthetic grease will be guarded from moisture and corrosive chemical reactions. This is true because the grease is 100% hydrophobic (waterproof) and has special anti-wear, anti-corrosive, and anti-oxidant additives.

What applications would not be recommended for Kleergel's Corrosion Inhibitor synthetic grease?

Kleergel's grease should not be used in extremely high temperatures (> 750 °F) where solid-type lubricants containing graphite or copper are commonly used. In these applications, products like Permatex Anti-Seize Compound are recommended. It should not be used in extreme pressure and heavy shock applications where a molybdenum disulfide grease is typically used. It should not be used in pure oxygen or chlorine environments.

Will Kleergel's Corrosion Inhibitor synthetic grease be safe on all surfaces?

Yes, Kleergel's Corrosion Inhibitor synthetic grease is non-staining and non-corrosive. It is safe to use on all surfaces including steel, ductile, cast iron, stainless steel, silver, copper, bronze, aluminum and other metal surfaces. It is also safe to use on plastics, rubber, wood, canvas, fabric and painted surfaces.

Is Kleergel's Corrosion Inhibitor synthetic grease non-flammable?

Yes, as defined by the D.O.T., there are no flammability restrictions covering the transportation or storage of Kleergel's Corrosion Inhibitor synthetic grease.

Does Kleergel's Corrosion Inhibitor synthetic grease contain any hazardous chemicals restricting its disposal?

No, there are no hazardous ingredients or properties that would render them hazardous for disposal. It should be disposed of in accordance with state and local regulations.

Kleergel's Corrosion Inhibitor Synthetic Grease Questions (Continued)

Is Kleergel's Corrosion Inhibitor synthetic grease odorless and non-staining?

Yes, Kleergel's Corrosion Inhibitor synthetic grease has no odor and will not stain. It is also clear or opaque making it ideal to use on exposed surfaces without having the typical "grease look" appearance of petroleum-based greases.

Is the composition of ingredients in Kleergel's Corrosion Inhibitor synthetic grease authorized by the National Science Foundation?

Yes, the composition of ingredients has been approved and is permitted to have the H-1 category code designation and can be used on potable water or wastewater piping systems.

Benefits of Kleergel's Multipurpose Corrosion Inhibitor Synthetic Grease

- Non-toxic and non-staining with clear appearance
- Excellent adhesion – will not drip, run or evaporate
- Will not damage wood, leather, plastic, fabrics, metals or painted surfaces
- Maintains good viscosity over wide temperature ranges (-50 °F to 500 °F)
- Has anti-oxidant, anti-corrosive and anti-wear additives to ensure prolonged use (about four times longer life than conventional petroleum grease)
- Dielectric – will not conduct electricity
- Compatible with conventional petroleum-based greases
- Biodegradable and non-flammable
- 100% synthetic with no petroleum distillates or contaminants
- Hydrophobic – 100% waterproof and will not wash out with hot, cold or salt water
- Industrial grade lubricant that is safe to use on flanges, valves, machinery, recreational vehicles, boats, automobiles and an unlimited number of industrial or household items
- Thixotropic properties provide excellent viscosity characteristics which insures continued protection during wide temperature and load shearing changes

Available in the Following Sizes:

- 14 ounce cartridge
- 35 pound or 5 gallon pail

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