



ADVANCE PRODUCTS & SYSTEMS

KLEER GEL[®]

ENVIRONMENTALLY FRIENDLY, SYNTHETIC GREASE

ISO-9001 CERTIFIED COMPANY - FM537405



KleerGel® is a chemically manufactured, highly engineered synthetic lubricant, environmentally friendly and non-toxic.

KLEERGEL'S HEAVY DUTY SYNTHETIC GREASE

This high performance synthetic grease is a non-staining, non-toxic multipurpose lubricant which outperforms all petroleum based greases and many synthetic greases. KleerGel's product is free of contamination performs extremely well at high and low temperatures and under demanding conditions.

Synthetic lubricants, by nature, are not as easily prone to oxidation, emulsification and other destructive chemical reactions as petroleum-based greases. KleerGel further improves the performance of its grease with special anti-wearing, anti-rusting, and anti-oxidative additives.

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

BENEFITS

- Reduces costs by lasting on average four times longer than petroleum base lubricants
- Non-flammable, non-staining, non-toxic, clear and environmentally safe
- Machinery wears less and runs cooler increasing its life expectancy
- Decreases friction thereby reducing energy consumption
- Replaces all other specialized products, reducing inventory and confusion
- Reduces maintenance costs

Rugged Enough



Safe Enough



KLEERGEL VS PETROLEUM BASED LUBRICANTS

KleerGel	Petroleum Based Lubricant
Special ingredients provide excellent viscosity and film strength to reduce wear	Hardens at low temperature
Continuous operation temperatures at 350°F and 500° F for intermittent use	Forms gummy deposits and carbon at high temperatures
Contains no impurities and remains flexible at -50°F	Contains impurities that may cause harmful viscosity changes and decrease wear protection

MATERIAL SPECIFICATIONS

Shelf life - >10 years
Dielectric strength - 500 volts/mil (ASTM-D149)
Water content - (Karl Fischer Method) <.001%
Salt spray test - Pass (ASTM D2596)
Solubility in water - Insoluble

FEATURES

- 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 lubricate that is safe to use on bicycles, recreational vehicles, boats, automobiles and an unlimited number of household items
- Thixotropic properties provide excellent viscosity characteristics which insures continued protection during wide temperature and load shearing changes
- USDA H-1 Category approved – meat and poultry plants with incidental food contact

KLEERGEL CAN BE USED FOR BUT NOT LIMITED TO:

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

KLEERGEL CAN REPLACE PETROLEUM BASED GREASES FOR:

- 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

Criteria for Replacing Petroleum Based Greases with KleerGel's Synthetic Grease

1. KleerGel synthetic grease has a national Lubricating Grease Institute (NLGI) rating of #2 for grease thickness. This is the same thickness of most multi-purpose and bearing greases. KleerGel also manufactures a thicker NLGI #3 grease.
2. Temperature Range: KleerGel synthetic grease will replace all greases that operate within a temperature range of -50°F to 500°F.
3. Application: KleerGel's 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 lubricate is recommended.



AVAILABLE IN:

- 14 oz cartridges (10 per case - 8.75 lbs)
- 5 gallon pails (39 lbs)

OTHER PRODUCTS AVAILABLE

- Kleerband® Flange Protectors
- Radolid® Nut Protection Caps
- Casing Insulators and End Seals
- Innerlynx® - Modular Mechanical Seals
- IsoJoint® - Monolithic Isolators
- Foreman Night Caps - temporary pipe plugs
- Standard Isolating Gasket Kits
- Integra SSA® - Cathodic Isolation Gaskets

BSI Management
Systems America, Inc.

ISO 9001:2008
REGISTERED
COMPANY

CERTIFICATE # FM 537405
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ADVANCE PRODUCTS & SYSTEMS, INC.

PO Box 60399 • Lafayette, Louisiana 70596-0399
800-315-6009 • 337-233-6116 • FAX 337-232-3860
E-Mail: sales@apsonline.com • Website: www.apsonline.com

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