



# KLEER GEL<sup>®</sup>

ENVIRONMENTALLY FRIENDLY, SYNTHETIC GREASE



ISO-9001 CERTIFIED COMPANY - FM537405





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

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



### KLEERTEL® 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 antioxidant, 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 bicycles, recreational vehicles, boats, automobiles and an unlimited number of household items
- Thixotropic properties provide excellent viscosity characteristics which ensure continued protection during wide temperature and load shearing changes
- USDA H-1 Category approved – meat and poultry plants with incidental food contact

**KLEERTEL® 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

**KLEERTEL® 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 Kleertel® Synthetic Grease**

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

Kleertel® Heavy Duty Synthetic Grease is also available in 5 gallon pails and in convenient 11 oz. spray cans.



## KLEERGEL® HEAVY DUTY SYNTHETIC GREASE AVAILABLE IN:

- 11 oz. spray cans (12 per box – 12 lbs.; Dimensions of Box: 11" x 8 ½" x 8 ½")
- 14 oz. cartridges (12 per case – 11 lbs.; Dimensions of Box: 9 ½" x 7" x 10")
- 5 gallon pails (39 lbs.; Dimensions of Pail: 12 ½" diameter x 15" tall)
- 115 lb. drum (124 lbs. total; Dimensions of drum: 15" diameter x 27" tall)

## OTHER PRODUCTS AVAILABLE

- Kleeband® Flange Band Protectors
- Radolid® Bolt and Nut Protection Caps
- Casing Insulators and End Seals
- Innerlynx® - Modular Mechanical Seals
- IsoJoint® - Monolithic Isolators
- Foreman Nite Caps - temporary pipe plugs
- Standard Isolating Gasket Kits
- Integra SSA® - Cathodic Isolating Gasket Kits



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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