

# PURE GUARD FM SYNTHETIC FOOD GRADE GREASE

No. 672

N.L.G.I. #1 & 2

## DESCRIPTION:

**Pure Guard FM Synthetic Food Grade Grease** is the first of a new generation of high temperature (620 °F drop point) food grade greases formulated using state of the art synthetic fluids, additives and base. Its advanced additive package outperforms all food grade, and most conventional greases. In many applications **Pure Guard FM Synthetic Grease** can be used in place of conventional greases. **Pure Guard FM Synthetic Grease** is a Calcium Sulfonate thickened, synthetic lubricating, grease created specifically for the food processing, food production, beverage and food packaging industries. **Pure Guard FM Synthetic Grease** is USDA H-1 classified and NSF H-1 registered.

## TYPICAL OPERATING CONDITIONS:

**Pure Guard FM Synthetic Grease** is formulated for use in food and beverage production, processing and packaging machinery where there is a possibility of incidental contact with the material being processed. It will provide maximum, long lasting protection to bearings, bushings and sliding surfaces under the most adverse and harsh conditions. It is designed to handle the:

- High moisture environment of frequent water wash-down cycles in meat and poultry processing areas.
- Cold operational temperatures of cold storage and freezer operations.
- High temperatures of cookers in canneries and ovens in bakeries.
- Acids from fruits, vegetables and grapes during harvesting and processing.
- High operational speeds of bottling and canning in the food and beverage industry.
- Cleanliness and high RPM demands of equipment in the food packaging industry.
- Heavy loading and operational demands of field food producing and food harvesting equipment.

**Pure Guard FM Synthetic Grease** is excellent in applications where there is a need to provide extended component life while reducing excessive grease consumption.

## FEATURES:

**Pure Guard FM Synthetic Grease** is a special high drop point Calcium Sulfonate based grease formulated with high viscosity index synthetic base oils compounded with specialized additives including:

Anti-Wear Additives  
Cohesive Additives  
Oxidation Inhibitors

Extreme Pressure Additives  
Rust & Corrosion Inhibitors  
Synthetic Polymers

## TYPICAL APPLICATIONS:

Canneries  
Bakeries  
Beverage bottling plants  
Poultry processing plants  
Meat processing plants  
Produce packaging facilities

Wineries  
Grape harvesters  
Food harvesting equipment  
Food packaging manufacturing plants  
Dairy operations  
Animal feed processing plants

...and many other areas requiring the protection of a quality food grade, extreme pressure, grease for extended service.

**PERFORMANCE PRODUCTS GUARANTEED**

P.O. BOX 1777 • LODI • CA 95241 • (209) 334-6353 • (800) 807-4496 • [www.FrontierLubricants.com](http://www.FrontierLubricants.com)

**PERFORMANCE CHARACTERISTICS:**

Pure Guard FM Synthetic Grease will provide superior, long lasting protection against:

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| Extreme pressure                    | Water washout                     |
| Elevated temperatures               | Acid contamination                |
| Rust and oxidation                  | Corrosion                         |
| High temperature oil volatilization | Channeling due to low temperature |

**TYPICAL SPECIFICATIONS:**

NLGI Grade	#1	#2
Color	Cream	Cream
Texture	Smooth	Smooth
Base Oil	Synthetic Hydrocarbon	Synthetic Hydrocarbon
Base Oil Properties Viscosity @ 40°C cST	220	220
Viscosity Index	150	150
Thickener Type	Calcium Sulfonate	Calcium Sulfonate
Drop Point, °F	620	620
Penetration, Worked 60 dbl Strokes	310-340	265 - 285
Roll Stability, Change, %	< 3.0	< 3.0
Oil Separation, %	< 0.5	< 0.5
4-Ball Wear, mm	0.47	0.47
4-Ball Load EP Weld Pt, kg	500	500
Timken EP, lbs	70	70
Corrosion Preventative Properties ASTM D 1743	Pass	Pass
Water Washout, % Loss	< 2.0	< 1.0
NSF Registered	H1	H1
Operating Temperature Range °F	-40 to 400	-40 to 400
Intermittent Operating Temperature °F	500	500

Typical test data are average values only.

**PERFORMANCE PRODUCTS GUARANTEED**