

## PURE GUARD FM

Food Grade Chain Lubricant Heavy

No. 659

ISO: 220, 460

### DESCRIPTION:

**Pure Guard FM Food Grade Chain Lubricants** are superior quality anti-wear lubricants. They have been specifically formulated for use in equipment where U.S.D.A. H-1 lubricants are specified because of the chance of incidental contamination of food or beverage. They are also intended for use in equipment where the oil may end up in sewers, waterways or other ecologically sensitive areas.

**Pure Guard Lubricants** are scientifically compounded with the highest quality U.S.D.A. approved white oils, adhesive/cohesive additives and the most technically advanced, U.S.D.A./ F.D.A. authorized non-toxic performance additives. This advanced technology reduces downtime and lubrication problems caused by exposure to heat, contaminants, and frequent water washing. **Pure Guard Lubricants** have specialized oxidation stability resulting in longer oil life and less deposit formation. They offer excellent protection against friction, wear, moisture, acids, and corrosion and are clean and non-staining.

**Pure Guard Lubricants** have an extremely high film strength and load carrying capability, and provide cooler, more efficient operation with greatly reduced downtime.

### PERFORMANCE CHARACTERISTICS:

- **U.S.D.A. H-1**  
Registered with the U.S.D.A. as H-1 lubricants and meet the requirements of Title 21 of the Code of Federal Regulations
- **Provides excellent anti-wear protection**  
Special anti-wear additives provide the highest level of protection against wear on all types of chains.
- **Anti-oxidation protection**  
Oxidation inhibitors and premium quality base oils combine to form a product with outstanding resistance to oxidation and provide the maximum protection against varnish formation at both high and low temperatures.
- **Superior rust protection**  
Inhibitors protect metal surfaces against rust and corrosion
- **Demulsibility**  
Designed to separate rapidly from water.
- **High viscosity index to insure viscosity stability**

### TYPICAL APPLICATIONS:

Paper Plants

Dairies

Meat Processing Plants

Food Processing Plants

Breweries

Bottling Plants

Water Drilling Rigs

Creameries

Grain Elevators

Elevators

Barges

Wineries

.....And many other applications that require a non-toxic U.S.D.A. H-1 chain lubricant.

**TYPICAL SPECIFICATIONS:**

<b>SAE Grade</b>	<b>90W</b>	<b>140W</b>
<b>ISO Grade</b>	<b>220</b>	<b>460</b>
Viscosity @ 40° C, cSt:	215	450
Viscosity @ 100° C, cSt:	24.3	41.0
Viscosity Index:	114	120
Flash Point, COC, °F	465	470
Pour Point, °F:	+15	+15
Color, Saybolt:	+25	+25
API Gravity:	30.6	29.1
Corrosion test, Steel, (ASTM D665) Procedure B:	Pass	Pass
Four Ball Test (DIN 51350, part 3) 1 hour @ 30 kg (mm):	0.30	0.30

Typical test data are average values only