

## HIGH TEMPERATURE SYNTHETIC FOOD GRADE SPRAY LUBRICANT

### PRODUCT DESCRIPTION:

Chain Guard® Formula 600 is a food grade, high temperature, ester based synthetic multi-purpose spray oil that is fortified with anti-wear additives and oxidant inhibitors that optimize the performance and stability of the lubricant and offers long lasting protection. Formula 600 has a high flash point and a recommended operating temperature range of -25°C to 315°C (-13°F – 599°F). It is an NSF H1 food grade registered product that meets all regulations set out by the FDA (21 CFR 178.3750) and is acceptable for incidental contact with food in and around food processing areas.

### CHARACTERISTICS:

- ◆ Contains NSF H1 registered food grade components
- ◆ Superior load and wear properties
- ◆ Excellent oxidative and thermal stability
- ◆ Reduced sludge and deposit formation
- ◆ Good water and rust resistance
- ◆ Very high flash point of 315°C (599°F)
- ◆ Low Volatility, High Solvency, & Low Maintenance



Accepted For Use In  
Canadian Food Facilities

Nonfood Compounds  
Program Listed H1  
(Registration # 146178)

### SPECIFICATIONS & TYPICAL PROPERTIES:

Properties	Test Method	Specifications
ISO Grade	D445	220
Viscosity @ 40°C (104°F)	ASTM D445	220 cSt
Viscosity @ 100°C (212°F)	ASTM D445	19 cSt
Viscosity Index	ASTM D2270	96
Fire Point	ASTM D92	350°C (662°F)
Flash Point	ASTM D92	315°C (599°F)
Pour Point	ASTM D97	-25°C (-13°F)
Four Ball Wear, 40 Kg., 1200 rpm, 75°C, 1 hr., Scar Diameter	ASTM D 4172	0.64 mm
Four Ball Wear, 40 Kg., 600 rpm, 200°C, 1 hr., Scar Diameter	-	0.48 mm
Weight Loss (22 hrs, 204°C)	-	2.0%
Weight Loss (20 hrs, 260°C)	-	29%
Residue (20 hrs, 260°C)	-	20%
Typical RBOT @ 150°C, Oxidation Lifetime	ASTM D2272	1030 min
Appearance	-	Amber Liquid

### APPLICATIONS:

- ◆ Bakery Oven Chains
- ◆ Bearing/Chains on Oven Conveyors
- ◆ Food Racks
- ◆ Slicers
- ◆ Mixers
- ◆ Bottling & Canning Machines
- ◆ Oven Door Hinges
- ◆ Casters
- ◆ Beverage Can Lines
- ◆ Grinders
- ◆ Drug Processing Equipment
- ◆ Knives

TDS - FORMULA 600