



APPLICATION AREAS

- Textile Tenter Frames
 - Oven Chains
 - Chain Conveyors
- Paint Curing and Drying Ovens
 - Ceramic Ovens





KEY FEATURES AND BENEFITS

- 100% synthetic
- Biodegradable
- Non-carbonizing/Non-oxidizing
- Low evaporation rate
- No residue
- High flash point

PACKAGING

1 Gallon/3.8 L 20 L 208 L

DIRECTIONS

Apply by spraying or using a squirt oiler or oil can with an extended spout. Apply at each bushing or lubrication site. Reapply as needed.

DESCRIPTION

Chesterton® 610 HT Synthetic Lubricating Fluid is a premium quality full synthetic lubricant designed to provide lubrication at temperatures ranging from -25°C (-15°F) to those over 250°C (482°F) where petroleum lubricants are unable to function.

TYPICAL PHYSICAL PROPERTIES

Appearance Amber Liquid Flash Point C.O.C. (ASTM D 92, ISO 2592) 225°C (437°F) Specific Gravity 0.97 Odor Slight, Sweet ISO VG (ASTM D2422, DIN 51 519) 460 Viscosity (ASTM D 445, DIN 51 561) @ 40°C (104°F) cSt (mm²/s) 473 @ 100°C (212°F) cSt (mm²/s) 71 Viscosity Index (ASTM D 2270, ISO 2909) 230 Four Ball Wear Test (ASTM D 2266, DIN 51 350) 1 hr. 75°C @ 1200 RPM Scar Diameter 10 kg 0.24 mm Scar Diameter 40 kg 0.35 mm Pour Point (ASTM D 97, DIN 51 755) -40°C (-40°F) -25°C - 250°C (-15°F - 482°F) Operating Temperature Use over 225°C (437°F) requires adequate ventilation and absence of open ignition sources. Fire Point (ASTM D 92, ISO 2592) 265°C (509°F) Evaporation Loss 6.5 hours @ 204°C (400°F) (ASTM D 972) 7.5%

Before using this product, please refer to Safety Data Sheet (SDS)



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Technical Data reflects results of laboratory tests and is intended to indicate general characteristics only. Since many actual application circumstances are beyond Chesterton's knowledge and/or control, the product user must determine the suitability of the products it intends to use for its particular purpose and assume all risks and liabilities in connection therewith. CHESTERTON DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Form No. 071534

Unlike petroleum-based lubricants, the product will not carbonize, oxidize to a sludge or form lacquers and varnishes at high temperatures. In fact, 610 HT Synthetic Lubricating Fluid has excellent solvency and will actually remove many of these byproducts caused by other petroleum based lubricants and allow equipment to run cooler and more efficiently. Extreme pressure additives give superior wear characteristics and minimize equipment maintenance and downtime. Rust and oxidation inhibitors give added protection against corrosion.

Lubricity additives provide for maximum lubrication and minimum friction. Because Chesterton 610 HT Synthetic Lubricating Fluid has a high flash point and low evaporation rate, it does not have the characteristic smoke and fire hazards associated with petroleum based lubricants when used in hot applications. The safety level for the user is thus very high.