

662 FG

BARRIER FLUID 22

APPLICATION AREAS

- *Mechanical Seals*
- *Pumps*
- *Tanks*



PRODUCT DATA SHEET

KEY FEATURES AND BENEFITS

- Broad temperature range -40°C (-40°F) to 205°C (400°F)
- NSF H1 Registered
- Complies with sections 178.3570, 181.28 and 178.3910 of FDA food additives regulations
- Makes surfaces water-resistant
- Non-staining, fire-resistant, non-toxic
- Penetrates fine tolerances

PACKAGING

20L

208L

DESCRIPTION

Chesterton 662 FG is an ISO grade 22, high-performance lubricant designed specifically for mechanical seal applications. Dual mechanical seals rely on a premium grade lubricant to ensure greatest mean-time-between-failure, safe operation and to avoid product contamination. The 662 FG is a non-toxic lubricant that delivers superior heat transfer properties optimizing the seal environment. 662 FG does not contain dyes, additives, or heavy metals that could contaminate process streams or poison catalytic systems. The ultra clean 662 FG is designed to deliver premium thermal stability while minimizing abrasive particle wear of the seal faces and provide long life.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear, liquid
Flash Point (ASTM D 92)	171°C (340°F)
Specific Gravity 25°C (77°F)	0.88
Odor	Virtually none
Base Material	Hydrotreated white mineral oil
ISO VG (ASTM D 2422, DIN 51 519)	22
Viscosity (ASTM D 445, DIN 51 561)	
@ 40°C (104°F) cSt (mm²/s)	22
@ 100°C (212°F) cSt (mm²/s)	<4
Specific Heat, J/g-K (BTU/lb-F)	
@ 10°C (50°F)	1.96 (0.46)
@ 260°C (500°F)	2.38 (0.78)
Thermal Conductivity, W/M-K (BTU/ft-hr-F)	
@ 10°C (50°F)	0.126 (0.073)
@ 260°C (500°F)	0.102 (0.059)
Vapor Pressure, Kg/cm² (psi) @ 260°C (500°F)	<0.05 (<1)
Pour Point	-40°C
Operating Temperature	-25°C to 260°C (-13°F to 500°F)
Fire Point	232°C (450°F)
Boiling Point	358°C (676°F)
Auto Ignition	346°C (655°F)
ISO Cleanliness Grade (ISO 4406)	12/11/9

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