



FS FG 6 EXP

Full Synthetic Grinding Oil

FS FG 6 EXP is a Polyalphaolefin (PAO), full synthetic product formulated for high-speed precision grinding. FS FG 6 EXP is a proven product for grinding carbide, high-speed steel, surgical stainless, PCD, tool steels, ceramic materials, M-2, M-4, and REX 76. The product is suitable for flute grinding, gear grinding, lapping, and honing operations.

FS FG 6 EXP is very low foaming, non-misting, and capable of being filtered down to one micron. When utilizing FS FG 6 EXP in operations, there can be exceptional oxidation stability, longer product life, increased speed, improved feed rates, and a greater degree of operator acceptance.

PRODUCT BENEFITS

- Multi-metal EP Package
- Chlorine Free
- Excellent anti-misting properties
- Outstanding wetting and boundary lubrication
- Low foaming
- Transparent appearance for high visibility
- High flash point
- Will not form residues
- Superior resistance to oxidation
- Non-smoking formulation
- Parts are easily cleaned with aqueous soaps
- No evaporation tendencies

TYPICAL PHYSICAL PROPERTIES

Fluid Type:	Grinding, Honing, Lapping Oil
Flash Point, (C.O.C.):	>320 Degrees F.
Viscosity, cSt @ 40 Degrees C	6.4
Viscosity, cSt @ 100 Degrees C	2.0
ISO VG#:	6.4
Copper Staining @ 100C:	1A
Specific Gravity:	0.798
Pour Point:	-71 Degrees F.
Aromatic Content:	0.0
ASTM Color:	0.5
Copper Staining:	Non-Staining
Filterability:	1 Micron, True Filtration

STORAGE: FS FG 6 EXP should be stored at room temperatures (between 55 to 95 °F). Keep away from sparks, open flames, and other sources of ignition as product and empty containers



could contain combustible, flammable, or ignitable substances. Do not weld or cut empty drums.

HEALTH & SAFETY: Please refer to the Safety Data Sheet (SDS) for additional information.

Warranty: Because conditions of use are beyond our control no representation or warranty is made in connection with the use of this product. Technical information and recommendations are believed to be accurate but are not guaranteed.

July, 2020

R: Product Tech Letterhead 2020/FG 6 EXP