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PC-10™ Power Cutting Oil

Product Data Sheet

General Information

- Dual functionality: Use full strength or as a supplemental coolant additive to the existing insoluble oil
- Recommended for a wide range of cutting & drilling applications
- Contains ionic bonding, lubricity enhancement & extreme-pressure agents, as well as rust & corrosion inhibitors
- Contains Muscle MT-10™ Metal Treatment technology for increased lubricity & boundary film lubrication

Typical Applications

- Full-strength, undiluted cutting oil
- Supplemental additive to insoluble oils
- Heavy-duty machining, drilling, tapping, cutting, milling, CNC, broaching, sharpening, ballizing & wet grinding

Key Features & Benefits

- Extends tool life
- Increases cutting speeds & production rates
- Provides more metal extraction per cut
- Improves surface finishes
- Reduces tool head & metal surface temperatures
- Excellent extreme-pressure properties
- Provides process visibility
- Inhibits rust & corrosion
- Contains no solid lubricants, active sulfur, sulfinated ash or chlorinated solvents
- Can be used in a wide range of applications

Availability

- 16 oz. bottle (474 ml)
- 1 & 5 U.S. gallon containers (3.8 & 18.9 L)
- 55 U.S. gallon drum (208 L)

Directions for Use

- Use undiluted as a full-strength cutting oil
- Add to the existing **insoluble** coolant in a 10 - 25% by volume ratio

NOTE: Not recommended for use with water glycol compounds or triphenol butylated phosphate oils.

Typical Properties

Boiling Point	432°F (222°C)
Flash Point	347°F (175°C) closed cup
Specific Gravity @ 60°F, g/cm ³	0.9833
Density	~ 8.21 lbs. per gal. (US)
Vapor Pressure	< 0.125 PSI
Viscosity @ 40°C, cSt	84.71
Viscosity @ 100°C, cSt	8.26
Viscosity Index	49.10
Pour Point	- 40°F (- 40°C)
Timken Extreme Pressure OK Load	60+
Odor	Mild petroleum
Color & Appearance	Light amber, low viscosity liquid
Solubility in Water	Insoluble

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