

# METAL REMOVAL FLUIDS

## QUAKERCUT® 012 PE STRAIGHT CUTTING OIL APPLICATION SHEET

### BENEFITS

- » **Excellent corrosion protection from thin film aspects of the product**
- » **The bland nature of the odor is acceptable to operators** versus the standard sulfurized-type odors of other cutting oils
- » **The unique blend of boundary and extreme pressure lubricants provides high film strength and excellent lubricating qualities**
- » **A thin film, oily residue, is non-tacky and easily removed by conventional alkaline or emulsion cleaners**
- » **The unique lubrication provide optimum performance** on difficult machining operations and grinding operations
- » **The non-sulfurized and non-chlorinated nature of this product does not require special handling** from a waste treatment or disposal viewpoint

### APPLICATIONS

QUAKERCUT® 012 PE is designed for medium to heavy-duty machining and grinding operations requiring a high degree of lubrication. It is suitable for use on all grades of steel, especially difficult-to-machine high-nickel alloys.

### FLUID MAINTENANCE

QUAKERCUT® 012 PE is to be used as received. It should not be diluted with any mineral spirits or other low viscosity materials. Dilution will greatly hinder performance characteristics. Please consult with your Quaker Process Engineer for more information.

### PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	Clear Amber Fluid
Pounds per gallon at 60°F	7.50 lbs/gal
Flash Point via COC	325oF / 163oC
Viscosity @ 100°F (40°C)	95.3 - 113.7 SUS 19.4 - 23.7 cSt
Odor	Oily
Neat pH	N/A



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#### **STORAGE AND HANDLING**

QUAKERCUT® 012 PE is available in drums (54 gals/405 lbs) or totes (320 gals/2,400 lbs). All containers are filled to volume by weight.

This product has a shelf life of 12 months. Like most chemicals, it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 110°F (43°C).

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