

Cutrite 3900

Micro-emulsion fluid

Description

Cutrite 3900 is a micro emulsion fluid engineered for machining and grinding a wide variety of metals including cast iron, steel, stainless steel and most aluminum alloys. It is ideally suited for manufacturing plants desiring a single fluid to perform well on a variety of metals and operations. The use of innovative technology allows **Cutrite 3900** to provide excellent sump life while the reliable, low maintenance qualities make it an ideal choice for individual sumps and central systems applications.

Performance Benefits

- Non-staining to aluminum alloys
- Excellent bio resistance provides a long sump life and with no supplemental additives
- Constant emulsion particle size provides a long fluid life in both individual sumps and central systems and minimizes drag out
- Ideally suited for recycling programs
- Extreme pressure additives extend tool life and improve finishes.
- Low foaming in all water conditions
- Excellent machining performance on difficult operation such as roll form tapping, reaming, gun drilling, and deep hole boring.
- Excellent wetting properties reduce fluid drag-out and deliver clean machine tools and components

Recommended Applications & Dilutions

Recommended for the machining and grinding of ferrous and aluminum alloys as well as titanium and nickel-chromium alloys. Consult with your account representative for questions regarding compatibility

Grinding 4% to 6%
Machining 5% to 12%

Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Amber liquid
Appearance of Dilution	-	Visual	Translucent to milky
pH of 5% dilution	-	-	9.6 -9.9
Density @ 15°C	lbs/gal	-	8.4
Chlorine	-	-	Yes
Nitrites	-	-	No
Phenols	-	-	No

Additional Information
Concentration Control

Refractive Index Multiplier: 1.80

Refractometer Reading	% Concentration
2.8	5
3.9	7
5	9
6.1	11

