

Cutrite 3399

Premium chlorine-free heavy duty micro-emulsion

Description

Cutrite 3399 is a high performance micro-emulsion metalworking fluid for machining and grinding of ferrous and non-ferrous 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 3399** to provide excellent sump life while the reliable, low maintenance make it an ideal choice for individual sumps and central systems applications.

Performance Benefits

- Excellent bio resistance extends sump life without the need of supplemental additives
- Chlorine-free formula is suitable for a wide range of applications on multiple metals
- Long fluid life in both individual sumps and central systems reduces overall costs
- Low foaming in all water conditions
- Excellent machining performance on aluminum alloys in difficult operation such as roll form tapping, Mapal reaming, gun drilling, and deep hole boring.
- Excellent wetting properties reduce fluid drag-out and deliver clean machine tools and components
- Low maintenance fluid minimizes hassles such as frequent additive additions

Recommended Applications & Dilutions

Recommended for machining and grinding ferrous alloys, cast aluminum alloys and titanium. Consult with your account representative for questions regarding compatibility.

Grinding 5% 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	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

Additional Information Concentration Control

Refractive Index Multiplier: 1.2

Refractometer Reading	% Concentration
2.5	3
3.3	4
4.2	5
5	6

