

Cutrite 5780

Premium universal soluble oil

Description

Cutrite 5780 is a premium universal soluble oil for machining and grinding of ferrous and non-ferrous alloys. It is ideally suited for job shops that want a single fluid to machine a variety of metals. The lubricating properties of **Cutrite 5780** provide excellent machinability of all metals ranging from soft die cast aluminum to hardened tool steels. **Cutrite 5780's** unique emulsifier system is designed to remain stable even in very hard water and yet properly balanced to minimize foam in softer water. **Cutrite 5780** is a clean product providing dependable rancidity control when used in machining centers with individual sumps and central systems.

Performance Benefits

- Suitable for use on multiple metals including most aluminum alloys
- Leaves a fluid, non-gumming film to prevent sticky ways, chucks, tool holders and fixtures
- Wide application range suitable in such diverse operations as centerless grinding, heavy-duty broaching, gear hobbing and replacing straight oil on some types of screw machines
- Long sump life in both individual sumps and central systems reduce overall costs
- Excellent rust protection on in-process parts

Recommended Applications & Dilutions

Cutrite 5780 is recommended for moderate and heavy duty machining and grinding of ferrous and non-ferrous metals. Consult with your account representative for questions regarding compatibility

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

Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Amber liquid
Appearance of Dilution	-	Visual	Milky
pH of 5% dilution	-	-	8.7 – 9.7
Density @ 15°C	lbs/gal	-	8.3
Chlorine		-	Yes
Nitrites		-	No
Phenols		-	No

Additional Information Concentration Control

Refractive Index Multiplier: 1.0

Refractometer Reading	% Concentration
3	3.0%
4	4.0%
5	5.0%
6	6.0%

