



XTREME COOL 363

Premium Neutral pH Extreme Lubricity Synthetic

Performance Benefits

- Excellent physical lubricity for difficult machining and tapping applications
- Economical to run- unique surfactant system dramatically reduces drag out rates
- Lower residues and improved cleanliness resulting from improved hard water stability
- Extended tool life resulting from state of the art additive technology
- Long system/sump life
- Low foaming in both soft and hard water
- Complete rejection of tramp oil
- Bimetallic corrosion protection for parts and machine tools
- Formaldehyde free to comply with health and safety regulations

XTREME COOL 363 is a new generation high lubricity solution synthetic cutting and grinding fluid designed for machining ferrous and non-ferrous metals. Its neutral pH makes it particularly well suited for aerospace alloys and all grades of aluminum. XTREME COOL 363 utilizes state of the art chemistry to impart true physical lubricity for use in more rigorous drilling and tapping applications, which previously required oil-based products. This unique technology provides good lubrication for softer, gummier materials that have a tendency to tear or smear without polar or boundary lubricants traditionally not found in true solution synthetic products. The neutral pH along with advanced inhibitors prevent staining on sensitive aluminum and aerospace alloys providing a product that is both safe for all materials and mild to operators. XTREME COOL 363 is an oil-rejecting fluid that provides excellent in-process corrosion protection for parts and machine tools, runs clean, has excellent bio-resistance, and is non-foaming.

Typical Characteristics

Appearance of concentrate.....	Yellow liquid
Appearance of dilution.....	Transparent, colorless
Density	8.93 lbs./gal
Specific gravity.....	1.066-1.086
pH of 5% solution.....	7.4-7.8
Chlorine, Diethanolamine, Nitrite, Phenols.....	None

Recommended Dilutions

XTREME COOL 363 is to be mixed with water for use (add concentrate to water)

Grinding:	4-6%
Machining:	4-12%

Concentration Control

The chart below was prepared using an Atago Master M refractometer and dilutions of XTREME COOL 363 in distilled water. Refractometer readings can vary with the type of water and refractometer used. Atago Master M refractometers are available from QualiChem, Inc.

CONCENTRATION %:	5	6	7	8	10	12
REFRACTOMETER READING:	3.0	3.6	4.2	4.8	6.0	7.2

Packaging

XTREME COOL 363 is packaged in 310-gallon, one-way tote tanks and 55-gallon, non-returnable steel drums. Bulk and 5-gallon pails are also available.



The Next Generation in Metalworking Chemistry