



XTREME COOL 331

Premium General Purpose Synthetic

Performance Benefits

- Extended tool life resulting from state of the art additive technology
- Long system/sump life
- Residue free parts and machine tools
- 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 331 is a light to moderate duty solution synthetic cutting and grinding fluid designed for ferrous alloys. This new generation of synthetic technology is designed to provide optimum operator acceptance. XTREME COOL 331 overcomes objections to synthetic fluids by being extremely mild to the skin and giving off very low odor. Also, the fluid significantly reduces the tacky residues traditionally associated with synthetic fluids. XTREME COOL 331 is recommended for machining and grinding applications and is well suited for job shop operations. This oil rejecting fluid provides excellent bio-resistance and in-process corrosion protection for parts and machine tools.

Typical Characteristics

| | |
|---|-------------------|
| Appearance of concentrate..... | Dark blue liquid |
| Appearance of dilution..... | Transparent, blue |
| Density | 8.7 lbs./gal |
| Specific gravity..... | 1.043 |
| pH of 5% solution..... | 9.1-9.5 |
| Chlorine, Diethanolamine, Formaldehyde Release Biocides, Mercurials, Nitrite, Phenols, Phosphates, Silicones, Sulfur..... | None |

Recommended Dilutions

XTREME COOL 331 is to be mixed with water for use (add concentrate to water)

| | |
|------------|-------|
| Grinding: | 3-5% |
| Machining: | 4-12% |

Concentration Control

The chart below was prepared using an Atago Master M refractometer and dilutions of XTREME COOL 331 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 %: | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| REFRACTOMETER READING: | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 4.0 | 4.8 |

Packaging

XTREME COOL 331 (Formerly Q-COOL 331) is packaged in 310-gallon, one-way tote tanks and 55-gallon, non-returnable steel drums. Bulk and 5-gallon pails are also available. An undyed version is also available as XTREME COOL 331C.



The Next Generation in Metalworking Chemistry