

# XTREME CUT 251C

## Premium Semi-Synthetic

### Performance Benefits

- Ideal for titanium, nickel alloys, aircraft and automotive aluminums, alloys steels, and most other difficult to machine materials
- Compatible with all common plastics, paints and seals making it very machine safe.
- Fortified with extreme pressure additives for extended tool life
- Long fluid life in both central systems and individual sumps
- Residue free parts and machine tools
- Low foaming in all water qualities
- Good rejection of tramp oil
- Bimetallic corrosion protection for parts and machine tools

**XTREME CUT 251C** is a premium, high performance semi-synthetic fluid designed to provide optimum tool life and surface finishes across a wide range of materials. The product is designed for use on both ferrous and non-ferrous alloys, which makes it well suited for job shop operations.

**XTREME CUT 251C** provides excellent corrosion control for ferrous metals and aluminum alloys, has a tight emulsion to promote tramp oil rejection, exhibits excellent hard water stability, runs clean, has excellent bioresistance, and is non-foaming.

Additionally, **XTREME CUT 251C** utilizes a multi-faceted approach for preserving the fluid to prevent the biologically generated foul odors associated with most soluble oils and semi-synthetic fluids.

### Typical Characteristics

Appearance of concentrate .....	Clear, amber liquid
Appearance of emulsion .....	Semi-translucent
Density .....	8.03 lbs./gal
pH of 5% emulsion .....	8.8 - 9.2

**XTREME CUT 251C** does not contain Animal byproducts, heavy metals, DEA, formaldehyde, nitrites, phenols, or silicones. It complies with RoHS requirements. Additional composition details may be provided if required.

### Recommended Dilutions

**XTREME CUT 251C** is to be mixed with water for use (add concentrate to water)

Machining: 4 - 12%

Grinding: 3 - 5%

### Concentration Control

The chart below was prepared using an Atago Master 20M refractometer and dilutions of **XTREME CUT 251C** 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:	3	4	5	6	7	8	10	12

### Packaging

**XTREME CUT 251C** is packaged in 310-gallon totes, 55-gallon drums, and 5-gallon pails. Bulk deliveries are also available.

**QUALICHEM**  
Metalworking Fluids

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