

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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