



## Premium Heavy Duty Multi-Metal Semi-Synthetic with EP

### Performance Benefits

- Extended tool life
- Long fluid life in both central systems and individual sumps
- Residue free parts and machine tools
- Low foaming
- Complete rejection of tramp oil
- Bimetallic corrosion protection for parts and machine tools
- Formaldehyde free to comply with health and safety regulations

**XTREME CUT 251C** is a premium, high performance semi-synthetic fluid designed to provide optimum tool life and surface finish. The product is designed for cutting and grinding a wide range of ferrous and non-ferrous alloys, which makes it well suited for job shop operations. **XTREME CUT 251C** contains an extreme pressure additive and high performance additives to further improve tool life and part quality. The product provides excellent corrosion control for ferrous metals, has a tight emulsion to promote tramp oil rejection, exhibits excellent hard water stability up to 35 grains of hardness, runs clean, has excellent bioresistance, and is non-foaming. Additionally, **XTREME CUT 251C** utilizes state of the art raw materials to prevent the rotten egg odors associated with most soluble oils and semi-synthetic fluids.

### Typical Characteristics

Appearance of concentrate.....	Clear, amber liquid
Appearance of emulsion.....	Semi-translucent
Density .....	8.19 lbs./gal
pH of 5% emulsion.....	8.8 - 9.2
Nitrite, Phenols, Formaldehyde.....	None

### Recommended Dilutions

**XTREME CUT 251C** 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 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.

<b>CONCENTRATION %:</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>10</b>	<b>12</b>
<b>REFRACTOMETER READING:</b>	3.0	4.0	5.0	6.0	7.0	8.0	10.0	12.0

### Packaging

**XTREME CUT 251C** (Formerly Q-CUT 251C) is packaged in 310-gallon, one-way tote tanks and 55-gallon, non-returnable steel drums. Bulk and 5-gallon pails are also available.

Available at:



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**QualiChem, Inc.**

*The Next Generation in Metalworking Chemistry*