

# Q-CUT 245C

## High Performance Semi-Synthetic

### Performance Benefits

- Operator friendly- this product has virtually no odor in use and is very mild to the skin
- Extended tool life- reduces noise, flank, and crater wear and prevents built up edge
- Long fluid life in both central systems and individual sumps
- Residue free parts and machine tools
- Low foaming in soft and hard water
- Complete rejection of tramp oil
- Chlorine free to reduce disposal costs
- Bimetallic corrosion protection for parts and machine tools
- **This product is halogen free**

**Q-CUT 245C** is a chlorine free, halogen free, high performance semi-synthetic fluid for machining and grinding ferrous and non-ferrous metals. This product utilizes state of the art raw materials to eliminate the rancidity and cleanliness issues associated with most soluble oils and semi-synthetics. The product is designed for use on a wide range of metals, which makes it well suited for job shop operations. **Q-CUT 245C** is non-staining to sensitive aerospace alloys, aluminum (including 319, 356, 6061T-6, 7075), and yellow metals. The product also has excellent corrosion control for ferrous metals. The fluid has a tight emulsion to promote tramp oil rejection and exhibits excellent hard water stability up to 35 grains of hardness. **Q-CUT 245C** runs clean, has excellent bioresistance, and is non-foaming.

### Typical Characteristics

|                                |                       |
|--------------------------------|-----------------------|
| Appearance of Concentrate..... | Amber, viscous liquid |
| Appearance of emulsion.....    | Semi-translucent      |
| Density.....                   | 8.02 lbs/gal          |
| pH of emulsion @ 5%.....       | 8.7 – 9.1             |
| Chlorine.....                  | No                    |
| Nitrites.....                  | No                    |

### Recommended Dilutions

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

### Concentration Control

The chart to the right was prepared using an Atago Model N1 refractometer and dilutions of **Q-CUT 245C** in distilled water. Refractometer readings can vary with the type of water and refractometer used. Atago Model N1 refractometers are available from QualiChem, Inc.

| CONCENTRATION %:       | 2   | 3   | 4   | 5   | 6   | 8   | 10  | 12   | 15   |
|------------------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| REFRACTOMETER READING: | 1.8 | 2.8 | 3.7 | 4.6 | 5.5 | 7.4 | 9.2 | 11.0 | 13.8 |

### Packaging

**Q-CUT 245C** is packaged in 310 gallon tote tanks and 55 gallon, non-returnable plastic drums. Bulk and 5 gallon pails are also available.

**QUALICHEM**  
Metalworking Fluids

AN ISO 9001:2008 COMPANY  
2003 Salem Industrial Drive | Salem, VA 24153  
540.375.6700  
[www.qualichem.com/metalworking](http://www.qualichem.com/metalworking)