

INNOVATIVE COOLANT TECHNOLOGY

SELECT SERIES: WATER DILUTABLE CUTTING FLUID

Q-CUT 215

Multi-Purpose Cutting and Grinding Fluid

Q-CUT 215 is a semi-synthetic coolant for ferrous and nonferrous metals. It is designed for light to moderate duty applications and is ideally suited for shops that predominantly machine aluminum alloys or that require a chlorine-free coolant. It can be used safely on most job shop materials.

Q-CUT 215 is a "fighting grade" product and as such, is formulated to provide long lasting, trouble-free performance in a wide variety of applications. Good sump life, good corrosion control, keeps machines clean and residue free, controls foam in high pressure applications, and is operator friendly.

Q-CUT 215 works well in a variety of water qualities, including hard water, soft water, and treated water. For best results and lowest consumption rates, we suggest the use of reverse osmosis (RO) water or deionized water (DI).

Performance Benefits

- Good cutting performance in wide variety of CNC applications
- Effective balance between cooling and lubricating
- Chlorine-free for expanded environmental acceptance
- Economical to use due to low drag-out on parts and equipment
- Good rancidity control and stable pH to prevent unpleasant odors
- Superior in-process corrosion protection for machinery and parts
- Rejects tramp oil for ease of maintenance

Typical Dilutions

| | | |
|------------|--------------------------|----------------|
| Machining: | 6 - 9 % | 3.7 - 5.6 Brix |
| Turning: | 5 - 8 % | 3.1 - 5.0 Brix |
| Grinding: | Call for recommendation. | |
| Min: | 5 % | 3.1 Brix |
| Max: | 12 % | 7.5 Brix |

Refractive Index: 1.6

Concentration % = 1.6 x Brix Reading

QualiChem suggests refractometers with a Brix scale of 0-10 or 0-20, or digital, and that can be calibrated. We use Atago Master 20T refractometers for most applications. Many brands and styles will work, including digital, if used properly and calibration is maintained.

Directions For Use

Q-CUT 215 is a concentrate. When properly mixed with water, it forms a metalworking coolant. Always add concentrate to water if mixing by hand. For best results, use a proportioning device suited to volumes needed and available water pressure. Avoid using cold or hot water. Know your water quality, and treat as recommended.

TYPICAL CHARACTERISTICS

| | |
|---------------------------|-------------------|
| APPEARANCE OF CONCENTRATE | Amber |
| APPEARANCE OF DILUTION | Translucent milky |
| VISCOSITY OF CONCENTRATE | 125 cSt @ 40 °C |
| pH OF 5% DILUTION | 9.0 - 9.4 |
| MATERIAL COMPATIBILITY | Multi-metal |

Q-CUT 215 does not contain animal fats or derivatives, heavy metals, chlorinated or sulfurized EP additives, zinc, calcium, free boric acid, nitrites, diethanolamine, silicone, formaldehyde, MBM, PCBs, phthalates, dioxins, or PIP(3:1).

Consult with your local QualiChem Distributor or QualiChem Sales Engineer to discuss available water quality, application conditions, performance criteria, recommended dilutions, and machine cleaning procedures (if applicable).

Q-CUT 215 is packaged in totes and drums. Bulk and pails are also available.

Refer to the Safety Data Sheet (SDS) for additional physical and chemical properties, associated hazards (if applicable), and procedures for safe handling and proper storage.

All information contained herein is believed to be correct. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Product specifications may change without notice.

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