



Q-COOL 355D

Neutral pH Heavy Duty Synthetic

Performance Benefits

- Economical to run- unique surfactant system dramatically reduces drag out rates
- Lower residues and improved cleanliness resulting from improved hard water stability
- Extended tool life resulting from state of the art additive technology
- Long system/sump life
- Low foaming in both soft and hard water
- Complete rejection of tramp oil
- Bimetallic corrosion protection for parts and machine tools
- Formaldehyde free to comply with health and safety regulations

Q- COOL 355D is a heavy-duty solution synthetic cutting & grinding fluid designed for machining aerospace aluminum and other aerospace alloys. This product has a neutral pH to prevent staining on sensitive aluminum and aerospace alloys. Q- COOL 355D is an oil-rejecting fluid that provides excellent in-process corrosion protection for parts and machine tools. It runs clean, has excellent bioresistance, and is non-foaming. This product has state of the art additive technology to improve tool life and part quality in severe machining operations such as broaching, deep hole drilling, gear hobbing, gundrilling, honing, and threading.

Typical Characteristics

Appearance of concentrate	Light Yellow liquid
Appearance of dilution	Slightly opaque
Density	8.83 lbs./gal
Specific gravity	1.058
pH of 5% solution	7.6-8.0
Chlorine, Diethanolamine, Formaldehyde Release Biocides, Mercurials, Nitrite, Phenols, Phosphates, Silicones, Sulfur	None

Recommended Dilutions

Q- COOL 355D is to be mixed with water for use (add concentrate to water)

Grinding:	4-6%
Machining:	5-12%

Concentration Control

The chart below was prepared using an Atago Master M refractometer and dilutions of Q- COOL 355D 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 %:	4	5	6	7	8	10	12
REFRACTOMETER READING:	2.8	3.5	4.2	4.9	5.6	7.0	8.4

Packaging

Q- COOL 355D is packaged in 310-gallon, one-way tote tanks and 55-gallon, non-returnable steel drums. Bulk and 5-gallon pails are also available.



The Next Generation in Metalworking Chemistry