

Aquaglide 556 Max

CUTTING AND GRINDING FLUID



Description

Aquaglide 556 Max is a water extendible, general purpose semi-synthetic cutting and grinding fluid formulated to perform in a variety of machine operations. When mixed with water, it forms a water-thin transparent micro-emulsion that exhibits excellent cooling properties for superior finishes and increased tool life. Recommended for use when machining, sawing, and grinding ferrous and non-ferrous materials where machinability requirements range from mild to moderately severe.

Typical Physical Characteristics

Weight, (lbs./gal.)	8.5
Specific Gravity, 60/60F	1.02
Flash Point, COC F	None
pH, Fresh, 1:20 (5%) Dilution	9.8
Color, Appearance Dilution	Opaque/Blue-Green
Color, Concentrate	Undyed, available in blue and red

Recommended Starting Dilutions

Machining – Drilling, Turning, Milling, Tapping, Boring, and Reaming 1:25 (4%) to 1:10 (10%)
 Sawing/Grinding – Centerless, Surface, Cylindrical, Internal 1:33 (3%) to 1:14 (7%)

Concentration	1:33	1:25	1:20	1:17	1:12	1:10
Percentage	3	4	5	6	8	10
Refractometer Reading	0.9	1.1	1.5	1.7	2.3	2.9
Brix Scale	Reading x 2.08 = Concentration (%)					

Features / Benefits

- Excellent cooling properties and extreme pressure lubricity combine to provide extended tool life
- Remains semi-transparent and features good settling properties for ease of contaminant removal; low foaming; non-drying on machine surfaces
- Prevents in-process corrosion of work pieces and machine tool parts
- More tolerant of hard water and tramp oils, and has a high resistance to rancidity for longer sump life
- Formulated without using CP, DEA, secondary amines, DCHA, Formaldehyde, or Formaldehyde releasing biocides

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