

AQUAGLIDE™ 211

Semi-Synthetic Metal Working Fluid

Description

Aquaglide™ 211 is a unique blend of amides, primary emulsifiers and boundary lubricants designed to deliver excellent performance in various machining and grinding operations. The special Extreme Pressure (EP) and anti-weld agents in **Aquaglide™ 211** ensure excellent tool life and surface finish over a wide range of materials from aluminum to stainless steels.

Aquaglide™ 211 contains less oil than conventional soluble oils which yields better machine cleanliness, and similar properties to those of synthetic coolants, but with better lubricity. This product also offers excellent rust control.

Refractive Index

| Concentration Percent | Dilution Ratio | Refractometer Reading |
|-----------------------|----------------|-----------------------|
| 3% | 33:1 | 1.1 |
| 4% | 25:1 | 1.6 |
| 5% | 20:1 | 2.1 |
| 6% | 16:1 | 2.5 |
| 7% | 14:1 | 2.9 |
| 8% | 12:1 | 3.3 |
| 9% | 11:1 | 3.8 |
| 10% | 10:1 | 4.2 |

Application Information

| Application Type | Concentration |
|--|---------------|
| General Machining | 5 – 10% |
| Grinding | 4 – 8% |
| <i>Consult with your U.S. Lubricants Specialist for application specific recommendations</i> | |

Features/Benefits

- ✓ **Versatile**
Suitable for use on ferrous and non-ferrous (yellow) metals
- ✓ **EP and AW Agents**
Provides excellent tool life
- ✓ **Stable Emulsifiers**
Offers strong product integrity characteristics
- ✓ **Enhanced Lubricity**
Provides better lubrication than synthetics
- ✓ **Clean Running Fluid**
Reduces oily residue and prevents build up
- ✓ **Hard water stable**
Does not require the use of processed water

Typical Properties

| Property | Results |
|----------------------------|--------------|
| Appearance | Blue Color |
| Solubility in water | Complete |
| pH, 5% dilution | 9.1 |
| Flash Point, °F | 350° minimum |
| Cast Iron Chip Test (40:1) | Pass |