



# AQUAGLIDE™ 322

## Premium Synthetic Water Dilutable Metal Working Fluid

### Description

**Aquaglide™ 322** is a premium, 100% oil-free, water-based coolant designed for machining and grinding both ferrous and non-ferrous metals.

**Aquaglide™ 322** is designed with special lubricity additives and offers excellent tool life, extended sump life (with proper care) and good hard water stability.

**Aquaglide™ 322** is particularly effective on many types of aluminum due to its high lubricity package. The oil rejecting blend of boundary lubricants, corrosion inhibitors and biocides helps keep machines running cleaner than with semi-synthetic and soluble oils.

### Refractive Index

Concentration Percent	Dilution Ratio	Refractometer Reading
3%	33:1	1.4
4%	25:1	1.8
5%	20:1	2.2
6%	16:1	2.7
7%	14:1	3.2
8%	12:1	3.6
9%	11:1	4
10%	10:1	4.4

### Application Information

Application Type	Concentration
General Machining	5 -7%
Heavy Duty Machining	7 - 9%
Grinding	3 - 5%

*Consult with your U.S. Lubricants Specialist for application specific recommendations*

### Features/Benefits

- ✓ **Versatile**  
Suitable for use on ferrous and non-ferrous (yellow) metals
- ✓ **Oil Rejecting**  
Simplifies Tramp oil removal
- ✓ **Long Sump Life**  
Reduces long-term usage
- ✓ **Excellent Biological Properties Resists bacterial growth**
- ✓ **Clean Running Fluid**  
Reduces oily residue and prevents build up  
Extends coolant sump life
- ✓ **Hard Water Stable**  
Does not require the use of processed water

### Typical Properties

Property	Results
Appearance	Yellow Color
Solubility in Water	Complete
pH	8.9 - 9.3
Freeze Point, °F	32°F
Flash Point, °F	None-contains water