



# AQUAGLIDE™ 111

## Premium Water Dilutable, Biostable EP Metal Working Fluid

### Description

**Aquaglide™ 111** is a premium water dilutable metal working fluid that is formulated to produce a heavy duty, biostable machining and grinding fluid. The unique biostable blend includes Extreme Pressure (EP) additives, emulsifiers and preservatives combine to form a coolant that offers customers single fluid for most shop operations and materials.

**Aquaglide™ 111** requires less maintenance and lasts longer than comparable competing products, and is an excellent choice for use on all steels and non-ferrous alloys, including most aluminum grades.

### Refractive Index

Concentration Percent	Dilution Ratio	Refractometer Reading
3%	33:1	3
4%	25:1	4
5%	20:1	5
6%	16:1	6
7%	14:1	7
8%	12:1	8
9%	11:1	9
10%	10:1	10

### Application Information

Application Type	Concentration
General Machining	5 – 7%
Heavy Duty Machining	6 – 8%
Grinding	4 – 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
- ✓ **Biostable**  
Resists bacterial growth, prevents rancidity and helps extend coolant sump life (with proper concentration maintenance)
- ✓ **Tramp Oil Rejecting**  
Allows for easy skimming of tramp oils to help extend coolant life
- ✓ **Enhanced Foam Control**  
Designed for use in individual systems, lasts longer and requires less maintenance than comparably priced products
- ✓ **Clean Running**  
Reduces oily residue and prevents build up
- ✓ **Hard Water Stable**  
Does not require use of processed water (although recommended for the longest possible fluid life). Also suitable for soft water situations

### Typical Properties

Property	Results
Appearance	Amber Color
Solubility in water	Complete
pH	9.0 – 9.5
Odor	Petroleum