

# AQUAGLIDE® 647

Rev. 1/2024

## Water Dilutable Synthetic Cutting and Grinding General Purpose Metalworking Coolant



### Description

**Aquaglide® 647** is a medium-duty cutting and grinding coolant specifically designed for double disk grinding, surface grinding and centerless grinding where high coolant agitation conditions exist.

**Aquaglide® 647** contains anti-foaming agents to eliminate mechanical foams, aiming to break after 2 seconds.

**Aquaglide® 647** is an excellent choice for central system filtration operations. It provides exceptional rust protection on parts and equipment and is designed to drop metal fines and swarf quickly, which aids in machine cleanliness

**Aquaglide® 647** provides good operator acceptance and good sump life.

### Refractive Index

Concentration Percent	Dilution Ratio	Refractometer Reading
4%	25:1	1.7
5%	20:1	2.1
6%	16:1	2.5
7%	14:1	2.9
8%	12:1	3.3
9%	11:1	3.7
10%	10:1	4.1

### Application Information

Application Type	Concentration
General Machining	5-8%
Heavy duty Machining	8-10%
Grinding	3-4%
<i>Consult with your U.S. Lubricants Specialist for application-specific recommendations</i>	

### Features/Benefits

- **In Process RP**  
Provides excellent interim protection on parts and equipment
- **Exceptional Sump Life**  
Low bacterial growth.
- **Good Operator Acceptance**  
Low skin irritation occurrence
- **Clean Running**  
Easily drops swarf and metal fines

### Typical Properties

Property	Results
Appearance	Pale Yellow
Appearance of 5% Dilution	Pale Yellow Solution
Odor	Low
pH (@5%)	9.2
Chlorine	No
Sulfur	No