

AQUAGLIDE™ 112

Water Soluble Metal Working Fluid

Description

Aquaglide™ 112 is a medium to heavy duty water soluble cutting oil for machining and grinding of ferrous and non-ferrous metals. It is formulated with a non-chlorine Extreme Pressure (EP) additive delivering excellent cooling and lubrication under extreme pressure conditions.

Aquaglide™ 112 combines high quality mineral oil and emulsifiers to form a very stable, milky-white emulsion when mixed with water and delivers long sump life with limited maintenance.

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	4 – 6%
Heavy Duty Machining	5 – 7%
Grinding	3.5 – 5%
Heavy Stamping, Drawing, Piercing, Forming	25 – 100 (neat)%
<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. Allows for wide range of operations including reaming and tapping
- ✓ **High Quality Mineral Oil**
Affords cost effective Point of Cut lubrication
- ✓ **Stable Emulsifiers**
Offers strong product integrity characteristics
- ✓ **Long Sump Life**
Suitable for both central and individual systems (with proper care)
- ✓ **Non-chlorine EP and AW Agents**
Reduces waste costs and environmental release concerns. Provides excellent tool life

Typical Properties

Property	Results
Appearance	Amber Color
Solubility in water	Complete
pH, 5% dilution	8.8 – 9.1
Odor	Mild Petroleum Odor