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Product Bulletin

Durasol MA-3475

Semi-synthetic for Magnesium Machining

Description

Durasol MA-3475 is a high performance biostable semi-synthetic uniquely developed for the machining of magnesium and its alloys as well as both hard and soft aluminum alloys. New multifunctional technology results in a very stable, low foaming product without residue formation in water up to 6000 ppM hardness.

Performance Benefits

- Excellent machining performance on magnesium and aluminum alloys in difficult operation such as roll form tapping, Mapal reaming, gun drilling, and deep hole boring.
- Stable emulsion up to 6000 ppM hardness
- Low foaming formula
- Biostable formula resists bacterial contamination preventing rancidity and extending coolant life.
- Excellent corrosion protection protects machine tools and parts.
- Long sump life in central systems reduce overall costs.

Recommended Applications

Application	Concentration
Grinding	4% to 5%
Machining	5% to 7%

Typical Characteristics

Appearance	Clear to slightly hazy amber liquid
Specific Gravity @72F	0.940 to 0.970
pH (5% in water)	8.5 to 9.0
pH (neat material)	8.75 to 9.25
Refractive Index Factor	1.1