



EM 980
Fatty Amide
Lubricity / Corrosion Inhibitor

EM 980 is a fatty amide designed for use in water soluble metalworking fluids. **EM 980** imparts lubricity, corrosion protection, improved metal wetting and secondary emulsification abilities. Additionally, it can be used as a viscosity builder in synthetics and semi-synthetics.

EM 980 can be formulated into soluble oils, synthetics, and semi-synthetic metalworking fluids. Typical use guidelines are indicated:

	<u>% Treat</u>
Soluble Oils	4-10
Semi-Synthetics	5-15
Synthetics	1-4

Seasonal variations in raw materials may slightly alter **EM 980**'s appearance and sensitivity to cooler temperatures. Under cooler environments, gelling or solidification may occur. Gradual warming of the material will return the product to the typical homogeneous fluid appearance.

EM 980 should be stored in an original container or bulk storage tank. Prolonged exposure to 0°F may result in solidification. Warming drums between 90-110° should reverse solidification. Blending temperatures should not exceed 110°F.

TYPICAL PROPERTIES

Property	Result
Base Value	180
Specific Gravity @ 77°F	1.01
Density (lb/gal)	8.4
pH Value, 1% in water	9.7
Viscosity, SUS @100°F (210°F)	2,800 (135)
Viscosity, cSt @ 40°F (100°C)	515 (27)
Acid Value (mgKOH/g)	50
Pour Point, °F (°C)	30 (-1)
Color, ASTM	4.5

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