



EM 996
Fatty Amide
Lubricity / Corrosion Inhibitor

EM 996 is a DEA-free tall oil fatty amide designed for use in water soluble metalworking fluids. **EM 996** imparts lubricity, corrosion protection, improved metal wetting and secondary emulsification abilities. Additionally, it can be used as an alkaline reserve and as a viscosity builder in synthetics and semi-synthetics.

EM 996 can be formulated into soluble oils, synthetics, and semi-synthetic metalworking fluids. Typical use guidelines are indicated:

	<u>% Treat</u>
Soluble Oils	3-8
Semi-Synthetics	2-10
Synthetics	2-10

Seasonal variations in raw materials may slightly alter **EM 996**'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 996 should be stored in an original container between 60-100°F. If stored below these temperatures, it may crystallize. This can be reversed by using slight agitation and raising the temperature between 80-120°F.

TYPICAL PROPERTIES

Property	Result
Base Value	116
Free Fatty Acid (as Oleic)	24
Appearance	Amber Liquid
Specific Gravity @ 77°F	0.96
Density (lb/gal)	8.0
pH Value, 1% in water	9.5
Viscosity, SUS @100°F (210°F)	1,060 (70)
Acid Value (mgKOH/g)	12
Pour Point, °F (°C)	10 (-12)

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