

EM 995
Fatty Amide
Lubricity / Corrosion Inhibitor

EM 995 is a DEA-free tall oil fatty amide designed for use in water soluble metalworking fluids. **EM 995** 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 995 can be formulated into soluble oils, synthetics, and semi-synthetic metalworking fluids. Typical use guidelines are indicated:

	<u>% Treat</u>
Secondary Emulsifier	<10
Alkaline Reserve, Lubricant	2-10
Synthetics	1-4

Seasonal variations in raw materials may slightly alter **EM 995**'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 995** 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	144
Free Fatty Acid (as Oleic)	14
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)	1,200 (70)
Viscosity, cSt @ 40°C (100°C)	200 (12)
Acid Value (mgKOH/g)	28
Pour Point, °F (°C)	10 (-12)
Amine, %	34

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