

SYNSUL™ SODIUM SULFONATES

Oleum Sulfonated Synthetic Sodium Sulfonates

GENERAL DESCRIPTION

Synsul™ 415, 450, and 500 are oil soluble, oleum sulfonated synthetic sodium sulfonates. Synsul™ 415 and 450 have good affinity for water making them excellent components in emulsifier packages. Synsul™ 500 displaces water, making it a good rust and corrosion inhibitor component.

TYPICAL PROPERTIES (NOT SPECIFICATIONS)

		SS 415	SS 450	SS 500
Sodium Sulfonate, Wt. %	ASTM D3712	61	61	61
Average Molecular Weight	ASTM D3712	412	450	507
Specific Gravity @ 15.6°C	ASTM D1298	1.00	0.99	0.98
Density, Pounds per Gallon @ 15.6°C	ASTM D1250	8.3	8.2	8.2
Viscosity @ 100°C, cSt	ASTM D445	115	68	52
Inorganic Salts, Wt. %	ASTM D3712	1.3	1.3	1.3
Water, Wt. %	ASTM D3712/D95	0.60	0.60	0.60
Emulsibility	-	excellent	very good	good
Corrosion Inhibition	-	fair	good	excellent

APPLICATIONS

Major functions performed by Synsul™ 415, 450, and 500 include emulsification and dispersion of liquids, inhibition of rust and corrosion, wetting, and dispersion of liquid/solid systems. Sodium sulfonates are major components used in soluble cutting oils, textile oils, cleaning compounds, drawing compounds, emulsions, fat splitting, ore flotation, printing inks, paint manufacture, pigment manufacture, spray oil emulsifiers, and many others.

The advantages of these products over the other sulfonates include lower viscosity for ease of handling, lighter color, and greater batch-to-batch consistency.

AVAILABILITY

Synsul™ Sodium Sulfonates are available in Rail Cars, Tank Trucks, and 55-Gallon Drums.

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