

NSP NATURALS™ 450, 500, 550

High Purity Natural Sodium Sulfonates

GENERAL DESCRIPTION

NSP Naturals™ 450, 500, and 550 are oil soluble “natural” sodium sulfonates derived from the sulfonation of specific solvent neutral base oils. These products do not contain any aromatic polynuclear hydrocarbons, carboxylates, asphaltenes or chlorinated derivatives. All NSP Natural™ products offer the formulator excellent solubility, emulsification, and anti-corrosive characteristics due to the broad molecular weight distribution of these products.

TYPICAL PROPERTIES (NOT SPECIFICATIONS)

		NSP 450	NSP 500	NSP 550
Sodium Sulfonate, Wt.%	ASTM D3712	62	62	62
Average Molecular Weight	ASTM D3712	450	500	550
Sulfated Ash, Wt.%	ASTM D3712	10.5	9.5	9.0
Inorganic Salts, Wt.%	ASTM D3712	0.50	0.70	0.70
Water, Wt.%	ASTM D95	4.0	4.0	4.0
Color, Dilute	ASTM D1500	5.0	5.0	5.0
Specific Gravity @ 20.0°C	ASTM D4052	1.00	1.03	1.03
Density, Pounds per Gallon @ 20.0°C	ASTM D1250	8.3	8.6	8.6

APPLICATIONS

Major functions performed by oil soluble sodium sulfonates include emulsification, inhibition of rust and corrosion, wetting and dispersion of liquid/solid systems. Lower molecular weight products have greater affinity for water and are used primarily for emulsification. Conversely, the higher molecular weight products are oil soluble and reject water making them excellent rust and corrosion inhibitors.

Natural 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 other applications.

AVAILABILITY

NSP Natural™ Sulfonates are available in Bulk Shipments and 55-Gallon Drums.

9-16-2020