



SOLUBLE BASE 5700

Sulfonate & PIBSA Emulsifier Base for Paraffinic and Naphthenic Oils

GENERAL DESCRIPTION

Soluble Base 5700 is a versatile sulfonate and PIBSA derived soluble oil emulsifier package. It is designed to emulsify paraffinic and naphthenic oils, as well as the more difficult re-refined oils that are primarily paraffinic in composition. Soluble Base 5700 offers hard water stability and rust inhibiting characteristics. In addition, the PIBSA technology provides exceptional system cleanliness by preventing buildup of soap and sludge in the sumps. In turn, this limits microbial growth and thereby enhances corrosion protection and extends fluid life.

TYPICAL PROPERTIES (NOT SPECIFICATIONS)

		SB 5700
Appearance	Visual	Clear Amber Liquid
Specific Gravity @ 15.6°C	ASTM D4052	1.00
Density, Pounds per Gallon @ 15.6°C	ASTM D1250	8.3
Viscosity @ 40°C, cSt	ASTM D445	475
Total Acid Number, mgKOH/g	ASTM D974	46
pH (5% in DI)	ASTM E70	8.5

APPLICATIONS

Soluble Base 5700 is recommended for use in soluble oils at concentrations of 13 to 25% depending on the selected base oil and other included components. Soluble Base 5700 is compatible with most chlorinated paraffin products. When used at higher treat levels Soluble Base 5700 provides optimum emulsification and rust inhibiting properties, even with the addition of difficult to emulsify extreme pressure additives like chlorinated paraffins. The resulting soluble oils can be used in the more severe metal removal and metal forming applications such as drilling, broaching, or drawing and stamping. Using Soluble Base 5700 at lower concentrations produces soluble oils which find extensive use in lighter duty applications including polishing, grinding, or cutting. Additionally, semi-synthetics fluids can be formulated using Soluble Base 5700 along with K-Amide™ and a water dispersible ester.

This product contains no chlorine, free sulfur, nitrites, phenols, or heavy metals.

AVAILABILITY

Soluble Base 5700 is available in Totes and 55-Gallon Drums.

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