



## **SOLUBLE BASE 5100**

### **Emulsifier Base for Naphthenic Oils**

#### **GENERAL DESCRIPTION**

Soluble Base 5100 is a formulated soluble oil emulsifier package specifically designed to emulsify naphthenic oils typically with aniline points of 155°F to 175°F. Its good hard water stability and rust inhibiting characteristics make this product an excellent choice for formulating soluble oils and semi-synthetic fluids used in machining, grinding, and forming operations. Soluble Base 5100 offers good rust inhibiting and emulsification properties at addition levels of 15 to 25% concentrations in oil.

#### **TYPICAL PROPERTIES (NOT SPECIFICATIONS)**

		<b>SB 5100</b>
Appearance	Visual	Clear Brown Liquid
Specific Gravity @ 15.6°C	ASTM D4052	1.01
Density, Pounds per Gallon @ 15.6°C	ASTM D1250	8.4
Total Acid Number, mgKOH/g	ASTM D974	28
pH (1% Dilution)	ASTM E70	8.9

#### **APPLICATIONS**

Soluble Base 5100 is a formulated sodium sulfonate emulsifier package that can be used in concentrations of 15 to 25% in the base oil. Soluble Base 5100 is a versatile product that is compatible with most extreme pressure additives such as chlorinated paraffins, sulfurized products, and esters used in formulating heavy duty soluble oils. When used at higher treat levels Soluble Base 5100 provides optimum emulsification and rust inhibiting properties, even with the addition of these difficult to emulsify extreme pressure additives. 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 5100 at lower concentrations produces soluble oils which find extensive use in lighter duty applications including polishing, grinding, or cutting.

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

#### **AVAILABILITY**

Soluble Base 5100 is available in Totes and 55-Gallon Drums.

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