



SYNSUL™ 455BR **Branched Sodium Sulfonate**

GENERAL DESCRIPTION

Synsul™ 455BR is a unique medium molecular weight sodium sulfonate derived from a branched alkylate. This product is easily formulated into soluble oil bases, semi-synthetic fluids and other metalworking compounds as an emulsifier and rust inhibitor. The branched structure aids in inherent bio-stability. Therefore, fluids derived from Synsul™ 455BR may exhibit longer fluid life than those formulated with either linear or natural sodium sulfonates.

TYPICAL PROPERTIES (NOT SPECIFICATIONS)

		455BR
Sodium Sulfonate, Wt. %	ASTM D3712	60
Average Molecular Weight	ASTM D3712	455
Specific Gravity @ 15.6°C	ASTM D1298	1.01
Density, Pounds per Gallon @ 15.6°C	ASTM D1250	8.4
Water, Wt. %	ASTM D95	3.0
Solubility in Water	Visual	Dispersible
pH (10% Solution)	ASTM E70	7

APPLICATIONS

Major functions performed by Synsul™ 455BR 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 Synsul™ 455BR over other sulfonates include its inherent bio-stability as well as its compatibility with other componentry and ease of formulating. It offers batch-to-batch consistency and provides exceptional rust and corrosion resistance properties.

AVAILABILITY

Synsul™ 455BR is available in Bulk Shipments, Totes, and 55-Gallon Drums.

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