



SULFON™ 90 **Oleum Sulfonated Alkyl-Aryl Sulfonic Acid**

GENERAL DESCRIPTION

Sulfon™ 90 is a highly active sulfonic acid produced from oleum sulfonation of heavy alkylate bottoms (HAB). It is recommended as an intermediate for the manufacture of oil soluble metallic sulfonates for the automotive, metalworking, coatings and grease industries. The sulfonates produced from Sulfon™ 90 exhibit low odor and good rust and corrosion inhibiting characteristic. They are generally compatible with a variety of basestocks and impart good detergent and dispersant properties. Sulfon™ 90 is also readily convertible to gelled, crystalline calcium sulfonate.

TYPICAL PROPERTIES (NOT SPECIFICATIONS)

| | | Sulfon™ 90 |
|-------------------------------------|------------|-------------------|
| Sulfonic Acid, Wt. % | ASTM D3673 | 92 |
| Total Acid Number, mEq/g | ASTM D974 | 1.96 |
| Free Acid, Wt. % | ASTM D974 | 0.00 |
| Density, Pounds per Gallon @ 15.6°C | ASTM D1250 | 8.1 |
| Specific Gravity @ 15.6°C | ASTM D1298 | 0.97 |
| Average Molecular Weight | ASTM D3712 | 470 |

APPLICATIONS

Sulfon™ 90 is used to manufacture metallic sulfonates with medium-high molecular weights. It can be used to make neutral and overbased metallic salts with good corrosion inhibiting characteristics; it is an excellent choice for use in rust preventive compounds. Ashless sulfonates can be made when Sulfon™ 90 is neutralized with amine. Sulfon™ 90 is also a good choice for conversion processes to make the gelled overbased calcium sulfonate structure needed for thixotropic coatings and greases.

AVAILABILITY

Sulfon™ 90 is available in Rail Cars, Tank Trucks, and 55-Gallon Drums.

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