

## RF1106 Over based Synthetic Calcium Sulfonate

### • Product Introduction

Over based Synthetic Calcium Sulfonate is one of the sulfonate salt series lubricant additives products we produce. It's mainly made from long-chain alkyl benzene sulfonic acid by means of neutralization and high alkalization reaction. This is a main metal detergent, and boasts excellent acid neutralization capacity, anti-rust property and high-temperature detergency, so it is widely used for different engine oils.

### • Product Technical Index

Item	Index	Test Method
Appearance	Red brown transparent viscous liquid	Visual Inspection
Flash Point (COC), °C	≥180	ASTM D92
Kinematic Viscosity (100°C), mm <sup>2</sup> /s	30-50	ASTM D445
Density (20°C), kg/m <sup>3</sup>	1050-1150	ASTM D4052
Total Base Number, mgKOH/g	295-330	ASTM D2896
Ca Content, m%	12.0-13.0	ASTM D4951
S Content, m%	1.25-1.85	ASTM D1552
Moisture, m%	≤0.2	ASTM D95
Mechanical Impurities, m%	≤0.1	ASTM D473

### • Package, Storage and Transportation

Packed in 200 liters iron drum or according to user's requirement. Transportation mode is by container or truck.

The maximum storage temperature shall not exceed 45°C.

This product is non-flammable, non-explosive, and non-corrosive, and it is same as petroleum products in terms of safety, environmental protection, use and other aspects, thus it needs no special protection.

The product is stored with a shelf life of 2 years, and it should avoid contact with strong antioxidant when use.