

## RF1107D Super High-based Magnesium Sulfonate Vanadium Inhibitor

### • Product Introduction

As a kind of Super High-based Magnesium Sulfonate fuel additives, RF1107D's color is clear brown liquid, completely miscible with fuel, and has the very good stability. The product not only has detergency and dispersion effect, but as the vanadium inhibitor agent added to the fuel oil, can prevent vanadium, sodium, iron and other metal in heavy oil from forming sulfate with low melting point and vanadium pentoxide compounds during the high temperature combustion.

The product can be directly added to the fuel oil, and can also be injected into the fuel pipeline. It can reduce the corrosion in the process of combustion.

### • Product Technical Index

Item	Index	Test Method
Flash Point (COC), °C	$\geq 50$	ASTM D92
Kinematic Viscosity (100°C), mm <sup>2</sup> /s	50-100	ASTM D445
Density (20°C), kg/m <sup>3</sup>	1150-1250	ASTM D4052
Total Base Number, mgKOH/g	590-640	ASTM D2896
Mg Content, m%	13.0-14.0	ASTM D4951
Moisture, m%	$\leq 0.5$	ASTM D95
Machinery Impurities, m%	$\leq 0.2$	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 40°C.

This product is non-flammable, non-explosive, and non-corrosive, and it is the 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 antioxidants when used.

In case of accidental contact with skin, wash it off thoroughly with water and detergent.