



## Engine Oil Detergent Additive Sulfurized Calcium Phenolate

### ●Product Introduction

The Overbased Sulfurized Calcium Alkyl Phenate is made from dodecyl phenol by means of sulfurization, neutralization and high alkalization reaction. This product is a kind of widely used lubricant additive of comprehensive performance, it has extremely good acid neutralization capacity and high-temperature detergency, excellent oxidation resistance and corrosion control as well as good emulsion resistance and oil solubility. It has prominent effect in reducing top-piston ring carbon and is widely used to blend middle and high grade ICE oils.



### ●Product Technical Index

Item	Typical Value	Test Method
Flash Point (COC), °C	200	ASTM D92
Kinematic Viscosity (100°C), mm <sup>2</sup> /s	295	ASTM D445
Density (20 °C), kg/m <sup>3</sup>	1088	ASTM D4052
Total Base Number, mg KOH/g	276	ASTM D2896
Ca Content, m%	10.1	ASTM D4951
S Content, m%	3.2	ASTM D1552
Water Content, m%	0.02	ASTM D95

### ●Features

Besides excellent performances, it has the advantage of light chroma; lower corrosion of copper and lead.

### ●Package, Storage and Transportation

In terms of safety, environmental protection and use, it is equal to general petroleum products, don't need the special protection. For highest storage temperature, it shall not surpass 45°C. This product is non-flammable, non-explosive, and non-corrosive.