

# ONYX 7040

*Super Overbased Synthetic Calcium Sulfonate*

## DESCRIPTION:

With long-chain alkylbenzene sulfonic acid as a main raw material, super overbased synthetic calcium sulfonate is produced by neutralization and super high alkalization reaction. The product has excellent alkaline storage property, good oil solubility and strong acid neutralization capability, and it can immediately neutralize organic acid and inorganic acid in oil; meanwhile it also has excellent high-temperature detergency and thermal stability. It is a preferred additive for blending over-based marine cylinder oil.

## PHYSICAL / CHEMICAL CHARACTERISTICS

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	60-130	ASTM D445
Density (20°C), kg/m <sup>3</sup>	1150-1250	ASTM D4052
Total Base Number, mgKOH/g	395-430	ASTM D2896
Ca Content, m%	14.8-16.8	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 metal 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 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. In case of accidental contact with skin, wash it off thoroughly with water and detergent