



## PRODUCT DATASHEET

# **PRODUCT:**

Product Name: Bentonite OC1830

Product Code: OC1830

## **BENTONITE OC-1830**

**Rheology Modifier** 

#### **GENERAL INFORMATION**

OC-1830 is an organoclay for solvent-based systems of low to medium polarity.

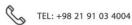
#### **ADVANTAGES**

- ☆ High gelling efficiency over low to medium polarity organic liquids, especially in aromatic compounds.
- ☆ Ideal thixotropy property and anti-sediment property.
- ☆ High viscosity and excellent thickening property over a wide temperature range.
- ☆ Imparts particle suspension, preventing hard settling of pigment and fillers.
- ☆ Exerts strong film reinforce action in organic binder systems.

PHYSICAL PROPERTES	RECOMMENDED USE	
Appearance: Free flowing powder	Acrylic paint	<ul> <li>Road paint</li> </ul>
Color/Form : Light yellow	Alkyd paint	<ul> <li>Inks(mineral oil)</li> </ul>
Density: 1.7g/cm <sup>3</sup>	Anti-Corrosion Paint	<ul><li>Inks(Nitro)</li></ul>
Moisture: ≤3.5%	Baking paint	<ul> <li>Adhesive</li> </ul>
Fineness:95%Min thru 200 mesh	Bituminous paint	<ul> <li>Putties and sealant</li> </ul>
Loss on Ignition:≤35%	<ul> <li>Chlorinated rubber paint</li> </ul>	<ul> <li>Lubricating grease</li> </ul>
	<ul> <li>Polyester paint</li> </ul>	<ul> <li>Cosmetics</li> </ul>
	Primer paint	<ul> <li>Waster water treatment</li> </ul>

#### **INCORPORATIONS**

OC-1830 belongs to the conventional type of organoclay group, which requires mechanical energy, shear forces applied with a goods dispersion equipment, and a chemical (polar) activator to reach the proper level of delamination of the organoclay platelet stacks.







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Chemical Activator	
Methanol/H₂O	30%-50% based on dry weight of OC-1830
Ethanol/H <sub>2</sub> O (95/5)	40%-60% based on dry weight of OC-1830
Propylene Carbonate	35%-55% based on dry weight of OC-1830
Acetone/H₂O	40%-60% based on dry weight of OC-1830

It is always recommended to determine the proper level of addition by experiment. Either defect or excess of chemical activator would result in poorer viscosity development.

### **RECOMMENDED LEVELS**

The amount of OC-1830 rheology modifier required depends upon the type of organic system and the degree of thickening or other properties desired. Addition levels are typically between 0.2%-2.0% based on the total formulation weight.

### SHELF LIFE

OC-1830 has a shelf life of at least two years from date of manufacture. Store in a cool dry place.



