



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	• Road paint
Color/Form : Light yellow	• Alkyd paint	• Inks(mineral oil)
Density: 1.7g/cm ³	• Anti-Corrosion Paint	• Inks(Nitro)
Moisture: ≤3.5%	• Baking paint	• Adhesive
Fineness:95%Min thru 200 mesh	• Bituminous paint	• Putties and sealant
Loss on Ignition:≤35%	• Chlorinated rubber paint	• Lubricating grease
	• Polyester paint	• Cosmetics
	• Primer paint	• Waster water treatment

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/H ₂ O	30%-50% based on dry weight of OC-1830
Ethanol/H ₂ O (95/5)	40%-60% based on dry weight of OC-1830
Propylene Carbonate	35%-55% based on dry weight of OC-1830
Acetone/H ₂ O	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.