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BS-1C-H0

Rheology Modifier

BS-1C-H0 is an organoclay (tetraallkyl ammonium bentonite) for solvent-based systems of low to medium polarity.

1. 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.

2. Typical Properties:

Color	Appearance	Density	Moisture (@105℃,2hrs)	Fineness through 200 mesh	Loss on Ignition (@1000℃)
Light Yellow	Free Flowing Powder	1.7g/cm^3	≤3.5%	≥98%	≤35%

3. Typical Applications:

- Acrylic paint
- Alkyd paint
- Anti-corrosion paint
- Baking paint
- Bituminous paint
- Chlorinated rubber paint
- Polyester paint
- Primer paint
- Road paint
- Inks(mineral oil)
- Inks(Nitro)
- Adhesive
- Putties and sealant
- Lubricating grease
- Cosmetics
- Waster water treatment

4. Incorportions:

BS-1C-H0 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.

Polar Activator: Dosage of polar activator (such as 95%ethanol, 95%methanol, 95%acetone or propylene carbonate) is 40%-60% by weight of BS-1C-H0.

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.

5. Recommended Levels:

The amount of BS-1C-H0 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.

6. International Countertypes: Bentone®34，Claytone®40

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