



## PRODUCT DATASHEET

### PRODUCT:

Product Name:	Bentonite OC5014
Product Code:	OC5014

### BENTONITE OC-5014

#### Rheology Modifier

**OC-5014** is an organic ammonium modified organic clay. The product can be used in low-medium polar systems. After being used in the system, it can increase the viscosity of the system, provide thixotropic properties, prevent or slow down the sedimentation of pigments during storage, improve flow properties, and resist sagging.

#### TYPICAL PROPERTIES:

Color	Appearance	Density	Moisture (@105°C,2hrs)	Fineness through 200 mesh
Light gray/light yellow	Free Flowing Powder	1.70g/cm <sup>3</sup>	≤3.5%	≥98%

#### TYPICAL APPLICATIONS:

- Adhesives
- Automotive Topcoats and Primers
- Lubricating Grease
- Plastic surface coatings
- Road marking paint
- Rust-proof Coatings
- Asphalt Coatings
- Industrial Paints
- Anti-corrosive Coatings
- Inks

#### INCORPORATIONS:

OC-5014 is recommended to be added during the grinding process. The product can be fully dispersed under the shearing effect of the grinding (or stirring) body material. It can also be made into a pregel (5-10% solid content with the gel) according to the traditional method, and then added to the system to disperse. In order to improve the fluidity of the pregel, some resins or dispersants can be appropriately added.

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### PRODUCT:

Product Name:	Bentonite OC1830
Product Code:	OC1830

### RECOMMENDED LEVELS:

The amount of OC-5014 in paint depends on the thickening effect required by the system, the rheological performance control requirements, the proportion of pigment, and the degree of precipitation. Addition levels are typically between 0.2%-2.0% based on the total formulation weight. The best dosage in various coatings can be optimized through experiments.

### SHELF LIFE

OC-5014 has a shelf life of at least two years from date of manufacture. Store in a cool dry place.