



**ZHEJIANG HUATE NEW MATERIAL CO., LTD.**

[www.zjhuate.com](http://www.zjhuate.com)



**CPT-GEL SD2**  
**Rheology Modifier**

**GENERAL INFORMATION**

CPT-GEL SD2 is an organoclay for solvent-based systems of medium and high polarity.

**ADVANTAGES**

- ☆ High gelling efficiency over medium and high polarity organic liquids.
- ☆ Easy of incorporation. No need for polar activator or making pregel.
- ☆ Consistent in rheology and thixotropy development.
- ☆ Easy of dispersion with excellent fineness. In suitable systems, it can reach 5 $\mu$  or even less.
- ☆ Good anti-sagging property and anti-sediment property.
- ☆ Can be added at any step, even can be used in post-addition to correct the final viscosity of a certain batch.

PHYSICAL PROPERTES	RECOMMENDED USE	
Appearance: Free flowing powder	<ul style="list-style-type: none"><li>• Acrylic paint</li></ul>	<ul style="list-style-type: none"><li>• Solvent epoxy paint</li></ul>
Color/Form : Light yellow	<ul style="list-style-type: none"><li>• None solvent epoxy paint</li></ul>	<ul style="list-style-type: none"><li>• Inks(mineral oil)</li></ul>
Density: 1.7g/cm <sup>3</sup>	<ul style="list-style-type: none"><li>• Solvent base epoxy paint</li></ul>	<ul style="list-style-type: none"><li>• Inks(Nitro)</li></ul>
Moisture(@105°C,2hrs): ≤3.5%	<ul style="list-style-type: none"><li>• Bituminous paint</li></ul>	<ul style="list-style-type: none"><li>• Adhesive</li></ul>
Fineness: 95% Min thru 200 mesh	<ul style="list-style-type: none"><li>• Baking paint</li></ul>	<ul style="list-style-type: none"><li>• Putties and sealant</li></ul>
Loss on Ignition( @1000°C ): ≤38%	<ul style="list-style-type: none"><li>• Chlorinated rubber paint</li></ul>	<ul style="list-style-type: none"><li>• Varnish</li></ul>
	<ul style="list-style-type: none"><li>• Anti-corrosion paint</li></ul>	<ul style="list-style-type: none"><li>• Nitro lacquer</li></ul>
	<ul style="list-style-type: none"><li>• Marine paint</li></ul>	<ul style="list-style-type: none"><li>• Lubrication grease</li></ul>
	<ul style="list-style-type: none"><li>• Silica paint</li></ul>	



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## **INCORPORATIONS**

CPT-GEL SD2 belongs to the unconventional type of organoclays group, being a self-activated organoclay, CPT-GEL SD2 does not require a chemical (polar) activator to reach the proper level of delamination of the organoclay platelet stacks.

CPT-GEL SD2 can be added at any point in the manufacturing process. If addition is made with polar activator or after grinding, better performance can be expected.

## **RECOMMENDED LEVELS**

The amount of CPT-GEL SD2 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%-3.0% based on the total formulation weight.

## **HEALTH AND SAFETY DATA**

Before handling this material, read the corresponding Safety Data Sheet (SDS) for safety, health and environmental data.

## **SHELF LIFE**

CPT-GEL SD2 has a shelf life of at least two years from date of manufacture. Store in a cool dry place.

## **CERTIFICATIONS**

ISO 9001 Quality System, ISO 14001 Environmental Management System, ISO 18001 Safety System

**MANUFACTURER: ZHEJIANG HUATE NEW MATERIAL CO., LTD.**

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