

## Sinokem Industry Co., Limited

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# TECHNICAL DATA SHEET

**HPMC SD200000S**

## Product description

HPMC SD200000S is a modified hydroxypropyl methyl cellulose (HPMC)

## Application / Advantages

HPMC SD200000S is free flowing surface treated powder, which was specially developed for detergents application.

- Good water retention
- Thickening ability
- Emulsifying
- Suspension
- Rheology modification
- Film-forming property

Sinokem HPMC not only provide the excellent thickening property and rheology modification, but also has good color acceptance.

## Specifications

Form	Powder	
Solubility	Water soluble	
Viscosity	54,000~66,000 MPa.s	Brookfield RV
PH	6.0~8.0(2% solution)	
Moisture content	Max. 8%	ASTM D1347-72
Particle size	<177µm: min. 95%	

Note: 1: The viscosity is measured by Brookfield viscometer on conditions of 2% neutral aqueous solution,  
Brookfield 20°C, 20RPM

## Health

Sinokem products have had extensive evaluation in both acute and long-term studies in a number of species, including humans. Their many years of use attest to their safety in a wide variety of applications. While the dust may cause mechanical irritation to the skin and eyes under extreme conditions, the products are considered to present no significant health hazard under normal handling conditions.

**[Sinocell, Best choice for you](#)**

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### **Flammability**

Cellulose ether products are organic polymers that will burn when exposed to heat and a sufficient oxygen supply. Fires can be extinguished by conventional means avoiding any raising of dust by strong water jets. Sinokem recommends the use of water spray, carbon dioxide, or powder extinguishers. Sinokem starts to decompose at about 200°C. Its ignition temperature is >360°C. Sinokem burns easily and the fire may spread. Additionally, Sinokem products, like other organic chemicals, should not be stored next to peroxides or other oxidizing agents.

### **Packaging and Storage**

Sinokem HPMC SD200000S is packed in multiply paper bags with an inner polyethylene bag. Net weight 25kg. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. In unopened bags, Sinokem HPMC SD200000S can be stored for several years. In opened bags, the moisture content of Sinokem HPMC SD200000S will be influenced by the air humidity. When stored in closed containers, or in its original packaging in a dry place at room temperature, Sinokem can be kept for a long time. In the case of high viscosity grades, a slow loss of viscosity can be measured after lengthy storage (>1 year). Sinokem absorbs water from moist air. Once opened, container must be resealed and kept tightly closed.