



## Hebei InnoNew Material Technology Co., Ltd.

Add: No.79 Zhufeng Stree, Shijiazhuang City, Hebei Province, China

Tel/WhatsApp: +86 17736063980 Email: [chris@innonew-material.com](mailto:chris@innonew-material.com)

# Material Safety Date Sheet

### Section 1: Chemical Product and Company Identification

**Product Name:** Hydroxypropyl Methyl Cellulose (HPMC)

**CAS No.:** 9004-65-3

**Synonym:** HPMC, 2-hydroxypropyl methyl ester, cellulose

**Chemical characterization:** Non-ionic cellulose ether

#### Recommended use of chemical:

Detergent, Cosmetic, Oil drilling, paper making, textile, Wall putty, Plaster, Gypsum, Tile Adhesive, Binder, and other construction materials

### Section 2: Composition and Information on Ingredients

Name	CAS #	% by weight
Hydroxypropyl Methyl Cellulose	9004-65-3	99

### Section 3: Hazards Identification

**GHS Classification:** Not classified as a hazardous substance or mixture

**GHS Classification elements:** None

**Other Hazards:** Not applicable

### Section 4: First Aid Measures

**General Information:** No need to present a significant hazard under anticipated conditions of normal use.

**After Inhalation:** Remove to the fresh air, if not breathing, give artificial respiration, if breathing is difficult, give oxygen, call a physician.

**After contact with the skin:** Wash with plenty of water or water and soap

**After contact with the eyes:** Flush with copious amounts of water for 15 minutes, separating eyelids with fingers, if irritation persists seek medical acid.

**After Swallowing:** Call a Physician, wash out mouth with water, do not induce vomiting without medical advice.

#### Most important symptoms and effects, both acute and delayed:

Any relevant information can be found in other parts of this section.

### Section 5: Fire and Explosion Data

**Special hazards arising from chemical:** May form explosive dust-air mixture. Slipping hazard. Avoid temperature above 130° C

**Flammable Properties:** May be combustible at high temperature

**Hazardous combustion products:** Under fire conditions, hazardous fumes will be present.

**Advice for firefighters Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

**Further information:** Standard procedure for chemical fires

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Wear respiratory protection, avoid dust formation, avoid breathing vapours, mist or gas, Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up:

Cover drains. Collect, bind, and pump off spills, observe possible material restrictions, take up dry, dispose of properly, clean up affected area, avoid generation of dust.

### Reference to other sections

For disposal see section 13

## Section 7: Handling and Storage

### Precautions for safe handling:

For precautions see section 2

### Conditions for safe storage, including any incompatibilities

### Storage conditions:

Tightly closed. Dry. Keep in a dry place.

### Storage class:

Storage class (TRGS 510):11: Combustible solids

### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls

Ingredients with workplace control parameters

### Exposure Controls

### Personal protective equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134

or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Thermal Hazards:** For products representing a thermal hazard, appropriate Personal Protective Equipment should be used

## Section 9: Physical and Chemical Properties

### General information:

**Physical state and appearance:** Solid-powder

**Description:** White to slightly off-white, fibrous or granular powder

**Solubility:** Swells in water and produce a clear to opalescent, viscous, colloidal mixture. Insoluble in dehydrated alcohol, in ether, and in chloroform.

**Odor:** Odorless or practically odorless

**Flammability:** May be combustible at high temperature

**Boiling Point:** Not available.

**Flash point:** Not available.

**Melting Point:** Not available.

**Flash point:** Not available

**Vapor Pressure:** Not applicable.

**Bulk Density:** Not available.

**Water solubility:** Not available.

**pH value:** 5.5-8 (1%)

**Specific gravity:** Not available.

**Lower Flammable/Explosive Limits:** Not available.

**Viscosity (dynamic):** Not applicable

## Section 10: Stability and Reactivity Data

**Reactivity:** The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

**Chemical Stability:** The product is chemically stable under standard ambient condition (room temperature)

**Possibility of hazardous reactions:** Violent reactions possible with strong oxidizing agents.

**Conditions to avoid:** None known

**Incompatible materials:** None known

### Hazardous decomposition products:

In the event of fire: see section 5

## Section 11: Toxicological Information

### Acute toxicity

LD50 Oral - Rat - > 2.000 mg/kg

Remarks: (External MSDS)

Inhalation: No data available

Dermal: No data available

**Skin corrosion / irritation** No date available

**Serious eye damage / eye irritation:** No date available

**Respiratory or skin sensitization:** No date available

**Germ Cell mutagenicity:** No date available

**Carcinogenicity:** No date available

**Reproductive toxicity:** No date available

**Specific target organ toxicity (Single exposure):** No date available

**Specific target organ toxicity (repeated exposure):** No date available

**Aspiration hazard:** No date available

**Further toxicological information:** To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## Section 12: Ecological Information

### **Ecotoxicity Toxicity:**

Toxicity to fish LC50 - Fish - > 100 mg/l - 96 h Remarks: (External MSDS)

**Persistence and degradability:** Not available

**Mobility in Soil:** Not available

Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects:** No data available

## Section 13: Disposal Considerations

### **Water treatment methods:**

Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

## Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## Section 15: Other Regulatory Information

Safety health and environmental regulations / legislation specific for substance or mixture.

National and local regulations must be observed.

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 08/07/2019 03:45 PM

**Last Updated:** 11/08/2024 10:40 AM

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall INNONEW MATERIAL be liable for any claim*