

# Material Safety Data Sheet

## Hydroxypropyl Methyl Cellulose

### HPMC E4M

#### Section 1 Chemical Product and Company Identification

Product Name: Hydroxypropyl Methyl Cellulose HPMC E4M

Synonyms:Hypromellose;Cellulose ether; Cellulose,2-hydroxypropylmethyl ether;hydroxypropyl methyl cellulose; HPMC;MHPC

Cas NO.:9004-65-3

HS code:3912.3900

Uses of commodity: Construction wall putty,tile adhesive,Skim coat

Company Identification: Kima Chemical Co.,Ltd

+86-533-6281218

#### Section 2-Hazards Identification

GHS Classification: None

GHS Classification elements: None.

Other hazards: Risk of dust explosion.

#### Section 3-Composition, Information on Ingredients

| CAS#      | Chemical Name                  | Percent  | EINECS/ELINCS |
|-----------|--------------------------------|----------|---------------|
| 9004-65-3 | Hydroxypropyl Methyl Cellulose | ca. 100% | unlisted      |

Chemical characterization (preparation):

It's made of a series of chemical processing and non-ionic cellulose ether.

#### Section 4-First Aid Measures

##### 4.1 Description of first aid measures

**General information:**

Under ordinary workplace conditions: No special measures required.

**After inhalation:**

Provide fresh air.

**After contact with the skin:**

Wash with plenty of water or water and soap.

**After contact with the eyes:**

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

**Section 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media:**

Water spray, water mist , extinguishing powder , foam , carbon dioxide .

**Extinguishing media which must not be used for safety reasons:** water jet.

**5.2 Advice for firefighters**

**Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air.

**Section 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Do not breathe dust.

**6.2 Environmental precautions**

Cover any spilled material in accordance with regulations to prevent dispersal by wind.

**6.3 Methods and material for containment and cleaning up**

Take up mechanically and dispose of according to local/state/federal regulations.

**Further information:**

Eliminate all sources of ignition. Observe notes under section 7.

**6.4 Reference to other sections**

Relevant information in other sections have to be considered. This applies in

particular for information given on personal protective equipment (section 8) and on disposal (section 13).

## **Section 7: Handling and storage**

### **Precautions for safe handling**

Direct sunshine and raining, moisture must be avoided.

## **Section 8: Exposure controls/personal protection**

### **8.1 Control parameters**

### **8.2 Exposure controls**

#### **8.2.1 Exposure in the work place limited and controlled**

##### **General protection and hygiene measures:**

Do not breathe dust. Do not eat, drink or smoke when handling.

##### **Personal protection equipment:**

##### **Respiratory protection**

In case of dust formation: fine dust mask without protection rating.

##### **Hand protection**

Recommendation: rubber gloves.

##### **Eye protection**

Recommendation in case of dust formation: tight fitting protective goggles.

#### **8.2.2 Exposure to the environment limited and controlled**

Only introduce into water purification plants in diluted state. Do not introduce large amounts into purification plants.

### **8.3 Further information for system design and engineering measures**

Observe regulations for protection against explosion.

## **Section 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

### General information:

Physical state / form.....: solid - powder  
Colour .....: white or off-white powder  
Odour .....: odourless  
Melting point / melting range .....: not applicable  
Boiling point / boiling range .....: not applicable  
Flaming point/Flaming range .....: not applicable  
Package .....: 25kg net per bag

## Section 10: Stability and reactivity

### 10.1 Chemical stability

Stable under normal temperatures and pressures

### 10.2 Conditions to avoid

In compatible materials, dust generation, excess heat, strong oxidants.

### 10.3 Hazardous decomposition products

Carbon Monoxide, irritating and toxic fumes and gases, carbon dioxide

## Section 11: Toxicological information

- 11.1 Epidemiology:** No information available  
**11.2 Teratogenicity:** No information available  
**11.3 Reproductive Effects:** No information available  
**11.4 Neurotoxicity:** No information available  
**11.5 Mutagenicity:** No information available  
**11.6 Other studies:** No data available

## Section 12-Ecological Information

No information available.

### **Section 13: Disposal considerations**

Discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### **Section 14: Transport information**

Transport by sea GGVSee/IMDG-Code

Valuation.....: Not regulated for transport

Marine Pollutant.....: no

Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

### **Section 15: Regulatory information**

Reference to the local, national, US, EU and international regulations

TSCA: US

### **Section 16: Other information**

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.