

# Material Safety Data Sheet

## Hydroxypropyl Methyl Cellulose

### HPMC E50

#### Section 1 Chemical Product and Company Identification

Product Name: Hydroxypropyl Methyl Cellulose HPMC E50

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

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#### 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**

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