

# **MATERIAL SAFETY DATA SHEET**

## **Hydroxyethyl Methyl Cellulose**

### **HEMC MH4M**

#### **Section 1 Chemical Product and Company Identification**

Product Name: Hydroxyethyl Methyl Cellulose HEMC MH4M

Synonyms: HEMC,MHEC,Methyl Hydroxyethyl Cellulose,Cellulose ether

CAS NO: 9032-42-2

Recommended Uses: Industry, construction,detergent

Company Identification: Kima Chemical Co.,Ltd

#### **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
9032-42-2	Hydroxyethyl 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

Package .....: 25kg net per bag

Flash point .....: not applicable

## **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 generator s must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## **Section 14: Transport information**

No information available.

## **Section 15: Regulatory information**

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

TSCA: US

## **Section 16: Other information**

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