

# MATERIAL SAFETY DATA SHEET

Version1.11

Date of last alteration:04/01/2025

## 1. Chemical Product and Company Identification

Product Name : Hydroxyethyl Methyl Cellulose  
Other name : MHEC, HEMC  
Recommended Uses : Adhesive mortar, Surface mortar, Paint, Detergent  
Manufacturer : Shandong Charing Industry Co.,Ltd  
Address : ROOM 1402,ZONE 17 AND 18, NO.19BUILDING, LUNENG  
LINGXIUCHENG, JINAN CITY, SHANDONG PROVINCE,CHINA  
Post Code : 250000  
TEL : +86-131-7667-0070  
E-mail : sdcharing@sdcharing.com

## 2. Hazards Identification

GHS Classification : None  
GHS Classification elements : None  
Other hazards : Risk of dust explosion

## 3. Composition, Information on Ingredients

Chemical characterization (preparation) : It's made of a series of chemical processing and non-ionic cellulose ether.

Main ingredient	Composition	CAS NO.
Hydroxyethyl methyl cellulos	95%-99%	CAS 9032-42-2
NaSO4 (sodium sulphate)	1%-5%	68140-10-3

## 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.

## 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.

## 6. Accidental release measures

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

Avoid dust formation. Do not breathe dust.

### 6.2 Environmental precautions

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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 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 (8.) and on disposal (13.).

## 7. Handling and storage

### Precautions for safe handling

Direct sunshine and raining, moisture must be avoided.

### Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents and foods.

## 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.

## 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 rang	: not applicable
Boiling point / boiling range	: not applicable
Package	: 25kg net per bag

## 10. Stability and reactivity

### 10.1 Chemical stability

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Stable under normal temperatures and pressures

## 10.2 Conditions to avoid

Incompatible materials, dust generation, excess heat, strong oxidants.

## 10.3 Hazardous decomposition products

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

## 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        |

## 12. Ecological Information

No information available.

## 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.

## 14. Transport information

### 14.1-4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

#### Road ADR:

Valuation : Not regulated for transport by IMDG/IMO

#### Railway RID:

Valuation : Not regulated for transport by IMDG/IMO

#### Transport by sea IMDG-Code:

Valuation : Not regulated for transport by IMDG/IMO

#### Air transport ICAO-TI/IATA-DGR:

Valuation According to IMDG/IMO, it's not dangerous cargo : Not regulated for transport by IMDG/IMO

## 15. Regulatory information

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

TSCA : US

## 16. Other information

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