

# MATERIAL SAFETY DATA SHEET

Version2.7

Date of last alteration:03/03/2025

## 1. Chemical Product and Company Identification

Product Name : Hydroxyethyl Cellulose  
Other name : HEC  
Recommended Uses : Surface Paint, Detergent, Oil Drilling, Dyeing  
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 : None

## 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 Cellulose	95%-99%	9004-62-0
Silicon Dioxide	1%-5%	7631-86-9

## 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

**MATERIAL SAFETY DATA SHEET**

Version 2.7

Date of last alteration: 03/03/2025

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

**10. Stability and reactivity****10.1 Chemical stability**

# MATERIAL SAFETY DATA SHEET

Version 2.7

Date of last alteration: 03/03/2025

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

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.