

MATERIAL SAFETY DATA SHEET

Hydroxyethyl Methyl Cellulose

HEMC MH60MS

Section 1 Chemical Product and Company Identification

Product Name: Hydroxyethyl Methyl Cellulose HEMC MH60MS

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 generators 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

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.