


Material Safety Data Sheet		
Hydroxypropyl Methylcellulose		
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## 1. Chemical Product and Company Identification

**INCI name:** Hydroxypropyl Methylcellulose

**CAS No.:** 9004-65-3

**Chemical structure:** (C<sub>10</sub>H<sub>18</sub>O<sub>6</sub>)<sub>n</sub>

**Trade name:** Yeser® HPMC

**Product application:** Widely used as a thickening agent in detergents and personal care products.

**Supplier name:** GUANGZHOU YESER CHEMICALS CO., LTD

**Supplier address:** Room 903-05, Building E, Longxi Center, No.18 Qide Road, Guangzhou City, China

**Website:** yeserchem.com **E-mail:** info@yeserchem.com

**Contact number:** +86-20- 86213761 400-0768-668

**Emergency contact number:** +86-20- 86213761

## 2. Hazards Identification

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

## 3. Composition/Information on Ingredients

Component	CAS NO.	Percentage %
Hydroxypropyl Methylcellulose	9004-65-3	100.0


## 4. First aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give

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artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

## 5. Fire-fighting Measures

### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

### Extinguishing Media:

Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

## 6. Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

## 7. Handling and storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. Exposure controls/personal protection

### Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits:

**Personal Protective Equipment Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.


**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## 9. Physical and chemical properties

**Appearance:** White or light yellow powder

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**Hydroxypropyl content (%):** 7.5~12.0

**Methoxy content (%):** 28.0~30.0

**Gelling point (2% aqueous solution, °C):** 58.0~64.0

**Ash (With sulfate) content (%):** ≤5.0

**Water content (%):** ≤5.0

**Light transmittance (2% aqueous solution):** ≥50

**Residue on sieve (180µm standard sieve):** ≤5

**pH value (1% aqueous solution, 25°C):** 5.0~8.5

#### 10. Stability and reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat, strong oxidants.

**Incompatibilities with Other Materials:** Oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

#### 11. Toxicological information

**Acute Toxicity:** LD50/LC50: No data available.

**Carcinogenicity:** Hydroxypropyl Methylcellulose - Not listed by ACGIH, IARC, or NTP.

**Other:** See actual entry in RTECS for complete information.

#### 12. Ecological information

##### Ecotoxicity

**Acute aquatic toxicity:** No data available

**Chronic aquatic toxicity:** No data available

**Biodegradability:** No data available

**Bioaccumulation:** No data available

**Mobility in soil:** No data available

**Hazardous to the ozone layer:** No data available

**Other Hazardous effects:** No data available


#### 13. Disposal considerations

Comply with each local regulation.

Follow all regulatory requirements for non-hazardous waste disposal when dump this material into sewers, on the ground or into any body of water.

#### 14. Transport information

**Ground transportation:** Not classified as dangerous good under transport regulations.

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**Shipping IMDG:** Not classified as dangerous good under transport regulations.

**Air transport IATA DGR:** Not classified as dangerous good under transport regulations.

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## 15. Regulatory Information

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**Water Hazard Level:** Water Hazard Level 0 (assessed through the ingredient list) No hazard to water.

**U.S. FDA:** This product is included in the FDA control category if used for medical or food contact.

**TSCA:** This product is not included in the category of hazardous and toxic substances control.

**EU RoHS Directive:** Products are regulated when used in electrical and electronic products.

**China: China:** According to the classification regulations of the People's Republic of China for hazardous chemicals and the international regulations, this product is not classified as a hazardous product.

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## 16. Other Information

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### Further information

**Date originally compiled:** August 15, 2019

**Date of first revision:** June 18, 2022

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IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by our company hereunder are given gratis and we assume no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

END OF DATA SHEET