

Safety Data Sheet
According to Regulation (EC) No 1907/2006



Hydroxypropyl Methylcellulose

Version 1.0

Issue date: 01/06/2015

Revision date: 01/06/2015

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Hydroxypropyl Methylcellulose/HPMC
Additional identification: -
Identification of the product: CAS# 9004-65-3; EC# 618-389-6
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Not available.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer): Chongqing PAN-KEY Fine Chemicals Co., Ltd
Address: Baitao Industrial Park, Fuling District, Chongqing, China
Zip code: 408017
Email: *****
Telephone: *****
Fax: *****

1.4 Emergency telephone Number:

Available outside office hours? YES ☐ NO ☒

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.
Signal Word(S): No signal word is used.
Hazard Statement: Not applicable.
Precautionary statement: Not applicable.

2.3 Other hazards:

Not available.

Section 3 Composition/information on ingredients**Substance/Mixture:** Substance**Ingredient(s):**

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Hydroxypropyl Methylcellulose	N/A	9004-65-3	618-389-6	90-99%

Section 4 First aid measures**4.1 Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.1.2 In case of skin contact:

Wash off with soap and plenty of water.

4.1.3 In case of eyes contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.

4.1.4 In case of ingestion:

Do NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water, and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures**5.1 Extinguishing media:**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Special fire fighting methods and special protective actions for fire-fighters:

Special protective equipment: Wear a self-contained breathing apparatus and chemical protective clothing.

Section 6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

6.1.1 For non-emergency personnel: Provide adequate ventilation. Avoid dust formation. Avoid breathing vapours, mist or gas.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

6.3 Methods for Containment and Cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

6.5 Additional information:

Not applicable.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Good hygienic practices should be observed. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep the formation and deposition of dust to a minimum.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Not available.

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Provide appropriate exhaust ventilation. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Provide safety shower and cleaning eyes equipments.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection

Wear suitable gloves.

Body protection

Protective clothing.

Respiratory protection:

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment. Recommended filter type: Filter P2.

Thermal hazards:

Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment.

According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:

Cellulose-like or granular powder

Colour:

White or off white

Odour:

Odourless

Odour threshold:

Not available

pH:

4-9(at 2% water solution)

Melting point/range (°C):

Not available

Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Relative Density:	Not available
Bulk density (kg/m ³):	Not available
Water solubility (g/l):	It swells in 90°C hot water, and dissolves into colloidal solution in cold water.
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Check Specification
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	This product is almost insoluble in anhydrous ethanol, ethyl ether and acetone.
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:	
Non-human toxikological data:	Not available
11.2 Information on toxicological effects:	
Acute toxicity:	
LD50(Oral, Rat):	Not available

LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified

Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not bioaccumulative.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:	The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.
13.2 Product / Packaging disposal:	If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	No information	No information	No information
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not classified	Not classified	Not classified
Packaging group	Not classified	Not classified	Not classified
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not classified	Not classified	Not classified

Section 15 Regulation information

Safety Data Sheet according to REACH - Regulation (EC) No. 1907/2006.

Relevant information regarding authorization:	Not applicable.
Relevant information regarding restriction:	Not applicable.
European/International Regulations:	European Labeling in Accordance with EC Directives. Hazard Symbols: Not available. Safety Phrases: S 24/25 Avoid contact with skin and eyes.
Other National regulations:	Not applicable
Chemical safety assessment:	Not available for this product.

Section 16 Other information

16.1 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.2 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this (Material) Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.