



Material Safety Data Sheet

Hydroxypropyl Methyl Cellulose HPMC

Section 1 : Chemical Product and Company Identification

Product Name : Hydroxypropyl Methyl Cellulose	Contact Information :
CAS #: 9004-65-3	SHANDONG JUFU CHEMICAL TECHNOLOGY CO.,LTD.
Synonym: Hydroxypropyl methylcellulose	Bld.4-1001, No.2177, Tianchen Rd., Jinan, Shandong,
MPMC,MHPC, Hydroxypropyl methylcellulose	China-250101
	TEL/FAX : 86-0531-88987705

Section 2 : Composition and Information on Ingredients

Formula: C₃H₇O
Molecular Weight : 142,04 g/mol
CAS-No. :9004-65-3
EC-No. :220-971-6
No components need to be disclosed according to the applicable regulations.
Main components: mixture

Section 3 : Hazards Identification

2. 1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards – none

In-taking Pathways: drug abuse, skin or eyes contact

Health hazards

Eye contact: May cause eye irritation, redness, tearing or blurred vision

Skin contact: None.

Inhaling: If accidental poisoning, it will cause few gastrointestinal stimulated, no obvious symptoms.

Section 4 : First Aid Measures

4. 1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If breathed in, move person into fresh air.

In case of skin contact

Wash off with plenty of

water. In case of eye contact

Flush eyes with water as a precaution. You

should rinse the eyes, if it splashes in. If

swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Please drink enough water to spit if you accident drink it, or else consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 1.1

4.3 Indication of any immediate medical attention and special treatment needed

no data available

Section 5 : Fire Fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Sulphur oxides, Sodium oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

5.4 Further information

The product itself does not burn.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

To undertake ventilated, eliminate the leakage area fire to avoid breathing vapor, foam cover large spills to reduce steam hazards.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed

containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Engineering control: Comprehensive ventilation or local exhaust.

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).

Skin protection

Handle with gloves. Gloves must be inspected prior to use.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

No special body protection.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so.

Section 9 : Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance Form: Powder Colour: white

- b) Odour : no obvious odor.
- c) Odour Threshold :no data available
- d) pH 7,2 - 8 at 50 g/l at 20 °C
- e) Melting point/freezing point Melting point/range: 145 °C
- f) Initial boiling point and boiling range : no data available
- g) Flash point not applicable
- h) Evaporation rate: no data available
- i) Flammability (solid, gas) no data available
- j) Upper/lower flammability or explosive limits no data available
- k) Vapour pressure no data available
- l) Vapour density no data available
- m) Relative density 1.39 g/mL at 25 °C
- n) Water solubility : soluble
- o) Partition coefficient: n-octanol/water : no data available
- p) Auto-ignition temperature : no data available
- q) Decomposition temperature : no data available
- r) Viscosity no data available
- s) Explosive properties: no data available
- t) Oxidizing properties :no data available

9.2 Other safety information

Bulk density 400 kg/m³

Section 10 : Stability and Reactivity Data

10.1 Reactivity: no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: no data available

10.4 Conditions to avoid High temperature, fire.

10.5 Incompatible materials: Strong acids, Aluminum, Magnesium

10.6 Hazardous decomposition products

Other decomposition products - no data available

Polymerization harm: no polymerization

Taboo thing: strong oxidizer, strong acid, strong alkali.

Section 11 : Toxicological Information

RTECS#: Not available

LD50/LC50: Not available

Carcinogenicity: Have not been thoroughly investigated.

Other: Not available

Section 12 : Ecological Information

12.1 Ecological Toxicity

None environmental poison effect.

12.2 Persistence and degradability: no data available

12.3 Bio-accumulative potential: no data available

12.4 Mobility in soil no data available

12.5 Results of PBT and vPvB assessment PBT

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

Harmful to aquatic life.

Section 13 : Disposal Considerations

13.1 Waste treatment methods

Product

Send to the environment & Sanitation department or special place.

Section 14 : Transport Information

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

Transportation notice: Avoid the vessel leakage, you must be light load & unload. When in the summer.

Section 15 : Regulatory information

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture : no data available

For this product a chemical safety assessment was not carried out