

Safety Data Sheet

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

Product identifier:

Identification on the label/Trade name: Hydroxypropyl methylcellulose (HPMC)

Product Code:/Model:/

Identification of the product: Not available.

Index Number: Not available.

REACH registration No.: Not available.

Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Not available.

Uses advised against: Not available.

Details of the supplier of the safety data sheet:

Supplier (Manufacturer): Sidere (Shanghai) Bioscience Co., Ltd

Address: Room 701, Building 6, No. 333, Guiping Road, Xuhui District, Shanghai, China

E-mail: support@sideretech.com

Telephone: +86-21-37281816

Emergency telephone Number:

Telephone: +86-21-37281816

Section 2 Hazards identification

Classification according to GHS:

According to GHS classification, not a Dangerous goods.

No harm at the normal use. Reference as follows:

Classification of the substance or mixture:

Acute Toxicity, Oral (Hazard category 5)

Acute Toxicity, Inhalation (Hazard category 5)

Label elements, including precautionary statements:

Hazard pictogram(s): None.

Signal word: Warning

Hazard statement(s):

H303 May be harmful if swallowed.

H333 Inhalation may be harmful.

Prevention:

P102 Keep out of reach of children.

P103 Read the label before using.

Response:

P301+P310 If Ingestion by mistake: Immediately call a detoxification center or seek medical attention.

P304+P312 If inhaled by mistake: If feeling unwell, call a detoxification center or seek medical attention.

Storage:

Not applicable.

Disposal:

No special requirements.

Other hazards:

No data available.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture**Ingredient(s):**

Chemical Name	CAS No.	Concentration%
Hydroxypropyl methylcellulose	9004-65-3	90-99
Sodium chloride	7647-14-5	1-10

Section 4 First aid measures

Description of first aid measures:

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

In case of inhalation:

If there is accidental inhalation, quickly leave the site to fresh air, keep the airway open, if breathing is difficult, give oxygen, if the breathing stops, immediately perform artificial respiration. Seek medical attention.

In case of skin contact:

Immediately remove contaminated clothing and rinse with plenty of running water and soapy water or special detergent.

In case of eyes contact:

Usually does not happen. Eye contact with its liquid, Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, contact a physician.

In case of ingestion:

If you accidentally ingest it, drink plenty of warm water to induce vomiting. Seek medical attention.

Most important symptoms and effects, both acute and delayed:

No data available.

Indication of any immediate medical attention and special treatment needed:

No data available.

Section 5 Fire-fighting measures

Suitable Extinguishing Agents:

Use dry chemical, carbon dioxide or alcohol-resistant foam.

Specific Hazards Arising from the Chemical:

Combustible. Finely dispersed particles form explosive mixtures in air.

Advice for firefighters:

Use powder, alcohol-resistant foam, water in large amounts, carbon dioxide.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Personal protection:

Particulate filter respirator adapted to the airborne concentration of the substance. Sweep spilled substance into covered containers. If appropriate, moisten first to prevent dusting. Wash away remainder with plenty of water.

Environmental Precautions:

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

Methods and material for Containment and Cleaning up:

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7 Handling and storage

Precautions for safe handling:

Avoid spilling, eye contact. Provide good ventilation. Operators must undergo professional training and strictly abide by operating procedures. It is recommended that operators wear protective masks and protective clothing. Smoking is strictly prohibited in the workplace.

Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 10°C and 25°C. Keep away from food, drink and animal feeding stuffs.

Section 8 Exposure controls /personal protection

Control parameters:

Occupational exposure limits:

No data available.

Additional exposure limits under the conditions of use:

No data available.

DNEL/DMEL and PNEC-Values:

No data available.

Exposure controls:

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Individual protection measures, such as personal protective equipment:

General requirement:

**Eye protection:**

When necessary, tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).

Hand protection:

When necessary, wear protective gloves (such as butyl rubber), passing the tests according to EN374(EU), US F739 or AS/NZS 2161.1 standard.

Respiratory protection:

When necessary, if exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Skin and body protection:

When necessary, Wear fire/flame resistant/retardant clothing and antistatic boots.

Environmental exposure controls:

Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations.

Section 9 Physical and chemical properties

Information on basic physical and chemical properties:

Form	Powder or granulate
Color:	Grayish or yellowish
Odor:	Odorless
Odor threshold:	No data available.
pH:	7-10
Melting point/range:	No data available.
Boiling point/range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability limit -lower (%):	No data available.
Flammability (solid, gas):	No data available.
Ignition temperature (C):	No data available.
Upper/lower explosive limits:	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.
Relative Density	No data available.
Bulk density (kg/m³):	No data available.

Water solubility (g/l):	soluble
n-Octanol/Water(log Po/w):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.

Section 10 Stability and reactivity

Chemical stability:

Stable under normal temperature conditions.

Possibility of hazardous reactions:

No data available.

Reactivity:

No data available.

Conditions to avoid:

No data available.

Incompatible materials and materials to avoid:

No data available.

Hazardous decomposition products:

No data available.

Section 11 Toxicological information

Acute toxicity (CAS:9004-65-3):

Oral: LD50 oral rat ->2000 mg/kg

Inhalation: No data available

Dermal: No data available

Skin corrosion/Irritation:

No data available.

Serious eye damage/Irritation:

No data available.

Respiratory or skin sensitization:

No data available.

Germ cell mutagenicity:

No data available.

Carcinogenicity:

There is no evidence of carcinogenic properties.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure:

No data available.

Other Health Effects:

No data available.

Section 12 Ecological information

Toxicity (CAS:9004-65-3):

Toxicity to fish: LC50- Fish ->100 mg/l-96 h.

Toxicity to daphnia and other aquatic invertebrates:No data available

Toxicity to algae:No data available

Toxicity to microorganisms:No data available

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

Results of PBT and vPvB assessment:

No data available.

Results of PMT and vPvM assessment:

No data available.

Other harmful effects:

No data available.

Section 13 Disposal considerations

General Information:

Chemical waste generators must determine whether the chemical being discarded is hazardous. In addition, waste generators must consult federal, state, and local hazardous waste regulations to ensure complete and accurate classification.

Waste Disposal Methods:

Dispose according to Federal, state, provincial and local regulations.

Section 14 Transport information

N Number:

Not listed.

UN Proper Shipping Name:

Not applicable.

Transport hazard class(es):

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

Packing group, if applicable:

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods.

Environmental hazards:

ADR/RID: No

IMDG: No

IATA: No

Remark:

According to the European Convention on International Road Transport, the International Maritime Dangerous Goods (IMDG)2022 edition (including 41-22), the International Air Transport Association (IATA), and DGR65rd (2024 edition), This product is not dangerous goods.

Section 15 Regulatory information**Safety,health and environmental regulations/legislation specific for the substance or mixture****Applicable regulations****OSHA standard (29 CFR 1910.1200):**

Hazardous Non-hazardous

Chemical safety assessment:

YES NO

For details regulations you should contact the appropriate agency in your country.

Section 16 Other information**Information on revision:**

Creation Date:	2024/03/27
Revision Date:	2024/03/27
Reason for revision:	---

Abbreviations and acronyms:

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

OSHA: Occupational Safety and Health act

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials in any process, unless specified in the text.