Safety Data Sheet

Hydroxypropyl Methyl Cellulose (HPMC)

Anxin Chemical (Shandong) Co., Ltd. | Version 1.0 | Issue date: 2026-09-23

1. PRODUCT IDENTIFICATION

PRODUCT Name: Hydroxypropyl Methyl Cellulose

Manufacturer: Anxin Chemical (Shandong) Co., Ltd.

Synonyms: HPMC

CAS NO: 9004-65-3

2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered hazardous according to the OSHA hazard communication Standard 29CFR1910.1200 due to flammable dust potential.

If this product is used in a manner that could generate particulates (dust), refer to SDS Section 7, Handling and Storage, and Section 8, Recommended Exposure Limits and Personal Protective Equipment.

3. HAZARDS IDENTIFICATION

Appearance: off-white. Caution! The toxicological properties of this material have not been fully investigated. This is expected to be a low hazard for usual industrial handling.

Target Organs: None.

Potential Health Effects

Eye: Low hazard for normal industrial handling.

Skin: Low hazard for usual industrial handling.

Ingestion: Low hazard for usual industrial handling. The toxicological properties of this substance have not been fully investigated.

Inhalation: Low hazard for usual industrial handling. The toxicological properties of this substance have not been fully investigated.

Special Hazard Precautions: ACUTE ESSENTIALLY NON-HAZARDOUS.

Chronic: No information found.

4. FIRST AID MEASURES

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

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.

Antidote: No specific antidote exists.

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. Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes.

Extinguishing Media: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

6. ACCIDENTAL RELEASE MEASURES

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

Spills/Leaks: Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions.

7. HANDLING & 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. Avoid ingestion and inhalation.

Storage: 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 - PARTICULATE: If used under conditions that generate particulates, the ACGIH TLV-TWA of 3 mg/m3 respirable fraction (10 mg/m3 total) should be observed.

OSHA Vacated PELs - METHYL CELLULOSE: No OSHA Vacated PELs are listed for this chemical.

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 minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE: powder

COLOR: white or off white

ODOR: odorless

SPECIFIC GRAVITY: 0.25

PERCENT VOLATILE: negotiable at 20 C

SOLUBILITY IN WATER: Limited by viscosity

PH VALUE: 5.0 - 7.0 (2% Solution)

10. STABILITY & REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: High temperatures.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: CAS# 9004-65-3: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Other Studies: Please refer to specific information.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Environmental Fate: No information reported.

Physical/Chemical: No information available.

Other: None

13. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

This product is not subject to DOT, ICAO, IMDG or ADR regulations.

For specific information regarding transportation of this product, please contact Anxin Chemical (Shandong) Co., Ltd.

15. REGULATORY INFORMATION

UNITED STATES - FEDERAL

TSCA: CAS# 9004-65-3 is listed on the TSCA inventory.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

TSCA Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

SARA Section 302 (RQ): None of the chemicals in this material have an RQ.

SARA Section 302 (TPQ): None of the chemicals in this product have a TPQ.

SARA Section 313: No chemicals are reportable under Section 313.

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

UNITED STATES - STATE

CAS# 9004-65-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN UNION

Classification under Regulation (EC) No 1272/2008 (CLP): Not classified as hazardous.

Hazard Statements (H-phrases): None.

Precautionary Statements (P-phrases): None.

WGK (Water Danger / Protection): CAS# 9004-65-3: 1

CANADA

CAS# 9004-65-3 is listed on Canada's DSL/NDSL List. This product has a WHMIS classification of Not controlled. CAS# 9004-65-3 is not listed on Canada's Ingredient Disclosure List.

16. OTHER INFORMATION

PREPARED BY: Technical Department, Anxin Chemical (Shandong) Co., Ltd.

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FOR ADDITIONAL NONEMERGENCY SDS INFORMATION, CONTACT:

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End of Safety Data Sheet