

Material Safety Data Sheet (MSDS)

Product Name: Hydroxypropyl Methylcellulose- E15 (HPMC) USP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

1101- City Centre 2,

Science City Road,

Sola Ahmedabad Gujarat,

India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

Product Name: Hydroxypropyl Methylcellulose – E15 (HPMC) USP Grade

CAS No.: 9004-65-3

Synonyms: Hypromellose, HPMC E15

Recommended Use: Pharmaceutical excipient, binder, film former, thickening agent

2. Hazard Identification

- Product is **not classified as hazardous** under GHS.
- Dust may cause **mechanical irritation** to eyes and respiratory tract.
- No known chronic health hazards under normal use.

GHS Classification: Not classified

Signal Word: None

Hazard Pictograms: None

3. Composition / Information on Ingredients

Chemical Name: Hydroxypropyl Methylcellulose

Purity: As per USP specifications

Nature: Non-ionic cellulose ether

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
 - **Skin Contact:** Wash with soap and water.
 - **Eye Contact:** Rinse cautiously with water for several minutes.
 - **Ingestion:** Rinse mouth. Drink water. Consult physician if discomfort occurs.
-

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, CO₂, dry chemical powder
 - **Hazards from Combustion:** May emit carbon oxides
 - **Protective Equipment:** Self-contained breathing apparatus
-

6. Accidental Release Measures

- Avoid dust formation.
 - Sweep or vacuum using suitable equipment.
 - Dispose of waste according to local regulations.
-

7. Handling and Storage

- Handle in well-ventilated areas.
- Avoid generating airborne dust.
- Store in a **cool, dry place**, tightly closed.
- Protect from moisture and direct sunlight.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
- **Respiratory Protection:** Dust mask if required
- **Hand Protection:** Protective gloves
- **Eye Protection:** Safety goggles
- **Hygiene Measures:** Wash hands after handling

9. Physical and Chemical Properties

- **Appearance:** White to off-white powder
- **Odor:** Odorless
- **Solubility:** Soluble in cold water
- **pH:** Neutral to slightly acidic (aqueous solution)
- **Bulk Density:** Approx. 0.3–0.6 g/cm³

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition:** None under normal use

11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin/Eye Irritation:** Mild mechanical irritation possible
- **Carcinogenicity:** Not listed by IARC, NTP, OSHA
- **Repeated Exposure:** No known adverse effects

12. Ecological Information

- **Biodegradability:** Biodegradable
- **Aquatic Toxicity:** Not expected to be harmful
- **Environmental Impact:** Minimal when properly disposed

13. Disposal Considerations

- Dispose of in accordance with **local, state, and national regulations.**
- Non-hazardous waste when uncontaminated.
- Avoid release into drains in large quantities.

14. Transport Information (Detailed)

- **UN Number:** Not Applicable
- **UN Proper Shipping Name:** Not Regulated
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not Applicable

Mode of Transport:

- **Road (ADR/RID):** Not regulated
- **Sea (IMDG):** Not regulated
- **Air (IATA):** Not regulated

Special Transport Precautions:

- Transport in **sealed, moisture-proof containers.**
- Protect from physical damage during transit.
- Avoid exposure to water, humidity, and excessive heat.
- No special labeling or placarding required.

Environmental Hazards: None

Bulk Transport: Product is not intended for bulk transport under hazardous goods regulations.

15. Regulatory Information

- Complies with **USP** specifications.
- Not listed as a hazardous substance under major international regulations.
- Suitable for pharmaceutical use as per applicable guidelines.

16. Other Information

The information provided in this MSDS is based on current knowledge and is intended as a guide for safe handling, storage, and use. It does not constitute a guarantee of product properties.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.