

Hydroxypropyl Methylcellulose Powder  
Health & Safety Data Sheet



**1. Identification of Substance**

Product Name: Hydroxypropyl Methylcellulose Powder  
Company Address: Vibration Chemicals  
Unit 7 Merchants Quay  
Pennygillam Industrial Estate  
Launceston, Cornwall PL15 7QA  
Company Contact: [vibration@live.co.uk](mailto:vibration@live.co.uk)  
0845 64 34 199

**2. Composition / Ingredient Information**

Chemical Description: Hydroxypropyl Methylcellulose Powder (HPMC)

**3. Identification of Hazards**

Caution: Shiny floors on which the powder / liquid product is poured may become slippery. We recommend using floor protection such as dust sheets or anti-slip rubber mats.  
Short Term Exposure: No permanent effects known from short-term exposure.  
Long Term Exposure: No permanent effects known from short-term exposure.  
Ecology: No long-term ecological effects.

**4. First Aid Measures**

Skin contact: Wash off with plenty of soap & water.  
Eye contact: Irrigate with water.  
Ingestion: Rinse out mouth with water.  
Inhalation: Remove to fresh air. Treat any irritation symptomatically.

**5. Fire Fighting Measures**

Conditions to Avoid: Keep away from heat, sparks & flames. Avoid excess dust in the atmosphere as this is an explosion hazard in the presence of electrical sparks & static discharges.  
Fire Fighting Measures: Fight the fire using water spray, sand, dry powder, carbon dioxide or foam.  
Protective Equipment: Impervious gloves. Use goggles. Use dust mask.

[Cont...]

Combustion Products: Carbon monoxide, carbon dioxide, steam & smoke.

## 6. Accidental Release Measures

Cautions: Shiny floors on which the powder / liquid product is poured may become slippery. We recommend using floor protection such as dust sheets or anti-slip rubber mats.

Environmental: Do not discharge into drains or rivers. Contain the spillage using paper towels / newspaper.

Clean-up procedures: Sweep this product for use or place in a container for disposal. Dispose in accordance with local regulations.

## 7. Handling and Storage

Handling: Handle in a well-ventilated area. The fine particles and powder should be regarded as an inert, nuisance dust. Avoid static build-up when emptying big bags. Earth all equipment and attach a grounding cable to the bag.

Storage: Product should be stored, under cover, in a clean well-ventilated area. Maintain a clean area by removing dust. Keep away from heat, sparks, and other sources of ignition. Store in a dry area.

Packaging: The packaging material should have reasonable moisture and air barrier properties.

## 8. Exposure Controls / Personal Protection

Engineering Controls: Handle in a well-ventilated area. Normal industrial hygiene measures should be sufficient.

Protective Gloves: Impervious gloves. Use goggles. Use a dust mask.

## 9. Physical & Chemical Properties

Form: Free flowing powder

Colour: Light cream to white

Solubility: Complete in water

Odour: Odourless

Moisture: 10% Max

pH Value (2% solution): 5.0 – 8.0

Assay: 90 – 99%

Ash (as  $\text{Na}_2\text{SO}_4$ ): 1.5% Max

Methoxyl: 19 – 24%

Hydroxypropyl: 4 – 12%

Sodium Chloride: 2.0% Max

[Cont...]

2% Viscosity, (LVT, 20°C):	3000 - 5600 mPas
Gelation Temperature:	70 – 90°C
Lead:	2 ppm Max
Arsenic:	3 ppm Max
Cadmium:	1 ppm Max
Mercury:	1 ppm Max
Particle Size	
Retained on 72 Mesh:	10% Max
Total Plate Count:	5000 cfu/g Max
Yeasts & Moulds:	500 cfu/g Max
Coliforms:	100 cfu/g Max
E. coli:	Absent /g
Salmonella:	Absent /25g

## 10. Stability & Reactivity

Stability: This product is chemically stable.

Reactivity: No additional hazardous chemicals are known to be formed when used as directed in this application.

## 11. Toxicological Information

Dermal: Slight primary irritation may occur.

Eyes: Minimal irritation may occur.

Oral: We believe this product has a low order of toxicity.

Inhalation: No known effects.

## 12. Ecological Considerations

Mobility: Readily absorbed into soil.

Persistence & degradability: Biodegradable.

## 13. Disposal Considerations

Disposal Powder: Waste incineration or special disposal with the approval of the responsible local authority.

Disposal Liquid: Can be flushed down toilet, plughole or drain, diluted with plenty of water to prevent blockages.

[Cont...]

**14. Transport Information**

Not applicable as material is classified as non-hazardous.

**15. Regulatory Information**

Not applicable as material is classified as non-hazardous.

**16. Other Information: Disclaimer**

The data given above is based upon information received by us and believed to be correct as general guidance for our customers who should, nonetheless, seek confirmation regarding the application of such information as well as safety and or/suitability in relation to the product supplied either alone or in combination with other products. Given that the above information is for general guidance only, users (customers and otherwise) assume all responsibility and liability of whatsoever nature arising from the handling and use of the product and the application of such information (whether or not the product is used alone or in combination with another product) and users must satisfy themselves by specific enquiries and confirmation as to application of the above information and/or the safety and/or suitability of the product and by reference to their own tests and knowledge.

All information and data has been expertly compiled in accordance with UK Chemicals (Hazard Information & Packaging) Regulations 2002.

[Final Page]