

Product Name:

Hydroxypropyl Methylcellulose Solution, 0.2%

Issued:

Sep-10-2004



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name and Address: Abbott Laboratories
Specialty Products Division
1401 N. Sheridan Rd.
North Chicago, IL 60064-4000

Emergency Telephone: CHEMTREC: 1-800-424-9300

Product Name: Hydroxypropyl Methylcellulose Solution, 0.2%

Synonyms: 0.2% HPMC, methocel, HPMC

Product Use: Vehicle/carrier to mix, disperse or solubilize test or reference items.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	OSHA PEL	ACGIH TLV	AIHA WEEL	Abbott EEL	Skin Notation
Water 7732-18-5	99.8	Not Listed	Not Listed	Not Applicable	Not Applicable	None
Hydroxypropyl Methylcellulose 9004-65-3	0.2	15 mg/m ³ total dust; 5 mg/m ³ respirable dust	10 mg/m ³ total dust; 3 mg/m ³ respirable dust	Not Applicable	Not Applicable	None

Notes:

OSHA PEL: US Occupational Safety and Health Administration- Permissible Exposure Limit.
ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value.
AIHA WEEL: American Industrial Hygiene Association - Workplace Environmental Exposure Level.
Abbott EEL: Abbott Laboratories Employee Exposure Limit.
TWA: 8-hour Time Weighted Average.
STEL: 15-minute Short Term Exposure Limit.
C: Ceiling Limit.

3. HAZARDS IDENTIFICATION

Emergency Overview:

Clear liquid.
Odorless.
Not toxic by ingestion.

Routes of Exposure:

Oral: No
Dermal: No
Inhalation: No

Hazard Information:

Ingestion Rating: Not determined.
Skin Absorption Rating: Not determined.
Inhalation Rating: Not determined.
Corrosiveness Rating: Not determined.
Skin Contact Rating: Not determined.
Skin Sensitization Rating: Not determined.

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Eye Contact Rating: Not determined.
Target Organs: Not determined.

Carcinogenicity Rating:

Ingredients	Percent	OSHA:	NTP:	IARC:	ACGIH:
Water	99.8	Not Listed	Not Listed	Not Listed	Not Listed
Hydroxypropyl Methylcellulose	0.2	Not Listed	Not Listed	Not Listed	Not Listed

NFPA Rating:

Signs and Symptoms: None known from occupational exposure.

Medical Conditions Aggravated by Exposure: None known from occupational exposure.

4. FIRST AID MEASURES

Eye Contact: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Skin Contact: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Inhalation: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Ingestion: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

5. FIRE FIGHTING MEASURES

FLAMMABILITY:

Autoignition Temp. (°C): Not determined.

FIRE-FIGHTING INFORMATION:

Suitable Extinguishing Media: Use appropriate medium for the underlying cause of the fire.

Special Exposure Hazards: Avoid inhalation of combustion products.

6. ACCIDENTAL RELEASE MEASURES

Methods of Cleaning and Collecting: Recover product. Place into appropriate container for disposal. Clean area with suitable cleaning materials. Dispose of as directed in Section 13.

Personal Precautions: Keep calm. Use personal protective equipment identified in Section 8.

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Environmental Precautions: Not determined.

7. HANDLING AND STORAGE

Handling: Not determined.

Storage: Store according to label instructions.

Special Precautions: Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: No special provisions are required under normal product use conditions.

Respiratory Protection: None required.

Eyes: Eye protection not required during typical product use conditions.

Gloves: None required.

Other PPE Data: Not determined.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid.

Odor: Odorless.

Boiling Pt. @ 760 mm Hg (°C): Not determined.

Melting/Freezing Point: Not determined.

Vapor Pressure (mm Hg) Not determined.

Bulk Density at 20°C: Not determined.

Solubility: Freely soluble in: water.

Specific Gravity: Not determined.

pH: Not determined.

Viscosity (centipoise): Not determined.

10. STABILITY AND REACTIVITY

Chemical Stability: Not determined.

Self-Heating Tendency: Not determined.

Materials to Avoid: Not determined.

Hazardous Decomposition Products: Not determined.

Hazardous Polymerization: Not determined.

Conditions to Avoid: Not determined.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral: Data for component (s) given below.

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Ingredients	Percent	Acute Test	Value	Units	Species
Hydroxypropyl Methylcellulose	0.2	LD50 >	2250	mg/kg	Rats

Acute Toxicity - Dermal: Not determined.
Acute Toxicity - Inhalation: Not determined.
Corrosivity: Not determined.
Dermal Irritation: Presumed to be non-irritating to skin.
Eye Irritation: Presumed not to be irritating to the eyes.
Sensitization: Not determined.
Target Organ Effects: Not determined.
Reproductive Effects: Not determined.
Carcinogenicity: Not determined.
Mutagenicity: Not determined.

Notes:

1. ALD: Approximate lethal dosage
2. LC50: Concentration in air that produces 50% mortality
3. LD50: Oral or dermal dosage that produces 50% mortality

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Not determined.
Biodegradation: Not determined.
General Notes: Not determined.

Notes:

1. EC50: Concentration in water that produces 50% mortality in *Daphnia* sp.
2. LC50: Concentration in water that produces 50% mortality in fish.
3. EbC50/ErC50: Concentration in water that produces 50% inhibition of growth and in algae.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT:
Status: Not Regulated.

ICAO/IATA:
Status: Not Regulated.

IMDG:

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Status: Not Regulated.

TDG (Canada):
Status: Not Regulated.

15. REGULATORY INFORMATION

SARA 313 Information

Ingredients	Percent	SARA 313 Chemical:	CERCLA RQ/SARA EHS RQ (lbs):	SARA EHS TPQ (lbs):
Water	99.8	No	Not Applicable	Not applicable
Hydroxypropyl Methylcellulose	0.2	No	Not Applicable	Not applicable

SARA 311/312 Hazard Catagories:

Immediate Health: Not determined.
Delayed Health: Not determined.
Fire: Not determined.
Sudden Pressure: Not determined.
Reactivity: Not determined.

TSCA Inventory Status: Not determined.

CERCLA Status: Not determined.

RCRA Status: Not determined.

Proposition 65 Status: Does not contain chemicals known to the state of California to cause cancer or reproductive harm.

EC HAZARD CLASSIFICATION:

Category of Danger: None

Indication of danger: None

ICH Classification: Not determined.

CANADIAN REGULATIONS:

Canadian Inventory: Not determined.

Canadian NDSL: Not determined.

WHMIS Hazard Class: Not determined.

Notes:

1. SARA = Superfund Ammendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act.
3. FIFRA = Federal Insectacide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substances Control Act.
5. EC = European Community.
6. WHMIS = Canadian Workplace Hazardous Materials Information System.
7. UN GHS = United Nations Globally Harmonized System for Hazard Identification.

16. OTHER INFORMATION

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