

Section 1: Identification

Common Name/Trade Name	METHOCEL E4M PREMIUM HYDROXYPROPYL METHYLCELLULOSE	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	Hydroxypropyl methyl cellulose	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	GHS classification in accordance with 29CFR 1910.1200. Combustible dust	
Signal Word	Warning	
Hazard Statement(s)	N/A	
Pictogram(s)	N/A	
Precautionary Statement(s)	P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/light/equipment. P243 Take precautionary measures against static discharge.	
Hazards Not Otherwise Classified	May form combustible dust concentrations in air.	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	Hydroxypropyl methyl cellulose
Common Name	Methocel E4M Premium
CAS Number	9004-65-3
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
If Inhaled	Move person to fresh air; if effects occur, consult a physician.
In Case of Skin Contact	Wash off with plenty of water.
In Case of Eye Contact	Flush eyes with plenty of water; remove contact lenses after the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected. If effects occur, consult a physician, preferably an ophthalmologist.
If Swallowed	No emergency medical treatment necessary.
Most Important Symptoms and Effects	Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information. Indication of any immediate medical attention and special treatment needed Notesto physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Unsuitable extinguishing media: No data available.
Special Hazards Arising From the Substance/Mixture	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. Unusual Fire and Explosion Hazards: Do not permit dust to accumulate. When suspended in air dust can pose an explosion hazard. Minimize ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge

Special PPE and/or Precautions for Firefighters	Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents. Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.
Section 6: Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
Methods and Materials Used for Containment	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
Cleanup Procedures	Contain spilled material if possible. Sweep up. Use care to minimize generation of airborne dust. Do not use water for cleanup. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

Section 7: Handling and Storage	
Precautions for Safe Handling	Keep away from heat, sparks and flame. No smoking, open flame. No smoking, open flames, or sources of ignition in handling and storage area. Electrically ground and bond all equipment. Good housekeeping and controlling of dusts are necessary for safe handling of product. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION
Conditions for Safe Storage	Conditions for safe storage: Keep in a dry place. Store indoors. Store in a closed container. Store away from sources of ignition. See Section 10 for more specific information.

Section 8: Exposure Controls/Personal Protection	
Components with Workplace Control Parameters	Hydroxypropyl methyl cellulose Dow IHG TWA Total dust 10 mg/m ³
Appropriate Engineering Controls	Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.
PPE - Eye/Face Protection	Use safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.
PPE - Skin Protection	Hand protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.
PPE - Body Protection	Other protection: No precautions other than clean body-covering clothing should be needed.
PPE - Respiratory Protection	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Particulate filter.

Section 9: Physical and Chemical Properties	
Appearance	Physical state: Powder. Color: White to off-white
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless
Vapor Pressure	Not applicable
Odor Threshold	No test data available
Vapor Density	Not applicable
pH	Not applicable
Relative Density	Not applicable
Melting Point/Freezing Point	No test data available
Solubility	Completely soluble in water
Initial Boiling Point and Boiling Range	Not applicable
Flash Point	closed cup No test data available
Evaporation Rate	Not applicable
Flammability (Solid, Gas)	May form combustible dust concentrations in air
Partition Coefficient	No data available
Auto-Ignition Temperature	No test data available

Decomposition Temperature	No test data available
Viscosity	Kinematic Viscosity No test data available
Section 10: Stability and Reactivity	
Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Polymerization will not occur.
Conditions to Avoid	Avoid temperatures above 130 C. Exposure to elevated temperatures can cause product to decompose. Avoid static discharge.
Incompatible Materials	Avoid contact with oxidizing materials. Avoid contact with: Strong acids. Strong bases.
Hazardous Decomposition Products	Decomposition products depend upon temperature, air supply and the presence of other materials.

Section 11: Toxicological Information	
Acute Toxicity - LD50 Oral	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. For similar material(s):LD50, Rat, > 10,000 mg/kg
Acute Toxicity - Inhalation	No adverse effects are anticipated from single exposure to dust. For respiratory irritation and narcotic effects: No relevant data found. The LC50 has not been determined.
Acute Toxicity - Dermal	No adverse effects anticipated by skin absorption. The dermal LD50 has not been determined.,
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	Essentially nonirritating to skin.
Serious Eye Damage/Irritation	Solid or dust may cause irritation or corneal injury due to mechanical action.
Respiratory or Skin Sensitization	A similar material did not cause allergic skin reactions when tested in humans. For respiratory sensitization: No relevant data found.
Germ Cell Mutagenicity	Similar cellulose derivatives were negative in both in vitro and animal genetic toxicity studies.
Carcinogenicity IARC	Carcinogenicity: Similar cellulose derivatives did not cause cancer in long-term animal studies.
Carcinogenicity ACGIH	No data available.
Carcinogenicity NTP	No data available.
Carcinogenicity OSHA	No data available.
Reproductive Toxicity	In animal studies, a similar cellulose derivative has been shown not to interfere with reproduction.
Specific Target Organ Toxicity - Single Exposure	Evaluation of available data suggests that this material is not an STOT-SE toxicant
Specific Target Organ Toxicity - Repeated Exposure	Repeated ingestion of similar cellulose derivatives by humans has not resulted in known significant adverse effects
Aspiration Hazard	Based on physical properties, not likely to be an aspiration hazard.

Section 12: Ecological Information	
Toxicity	Toxicity Acute toxicity to fish Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).
Persistence and Degradability	Biodegradability: Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability
Bio-accumulative Potential	Bioaccumulation: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations	
Waste Treatment Methods Product	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. Reclaimer. Incinerator or other thermal destruction device. Landfill.
Waste Treatment Methods Packaging	No data available.

Special Precautions Landfill or Incinerations	No data available
Other Information	No data available
Section 14: Transport Information	
UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information	
<p>Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA. Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103 This material does not contain any components with a CERCLA RQ. Pennsylvania Worker and Community Right-To-Know Act: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute. California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute. United States TSCA Inventory (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.</p>	

Section 16: Other Information	
Additional Information	N/A
Prepared By	Scarlotte Smith
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Disclaimer

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