

Section 1: Identification

| | | |
|-----------------------------------|--|---|
| Common Name/Trade Name | METHYLCELLULOSE 4000 CPS USP | |
| 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) NSW Poisons Information Centre: 131 126 (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) | Methocel A4M Premium Methylcellulose | |
| Relevant Use(s) of Product | Manufacture or Compounding of Substances | |

Section 2: Hazards Identification

| | |
|---|-------------------|
| Classification of Substance or Mixture | Not classified. |
| Signal Word | None |
| Hazard Statement(s) | N/A |
| Pictogram(s) | N/A |
| Precautionary Statement(s) | N/A |
| Hazards Not Otherwise Classified | Combustible dust |
| Ingredient(s) with Unknown Toxicity | No data available |

Section 3: Composition/Information on Ingredients

| | |
|--|-------------------|
| Chemical Name | Methyl cellulose |
| Common Name | Methyl cellulose |
| CAS Number | 9004-67-5 |
| 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 thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. |
| If Swallowed | Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. |
| 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. Notes to 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 |
| Special Hazards Arising From the Substance/Mixture | Special hazards arising from the substance or mixture Hazardous combustion products: 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 | Advice for firefighters Firefighting 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. Handheld 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. Material becomes slippery when wet. 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 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 | Keep in a dry place. Store indoors. Store in a closed container. Store away from sources of heat or ignition. See Section 10 for more specific information. |

Section 8: Exposure Controls/Personal Protection

| | |
|---|--|
| Components with Workplace Control Parameters | 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 | Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized. No precautions other than clean body-covering clothing should be needed. |
| PPE - Body 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. 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 | Powder. White to off-white |
| Upper/Lower Flammability or Explosive Limits | Not applicable to solids |
| Odor | Odorless |
| Vapor Pressure | Solid. |
| Odor Threshold | Odorless |
| Vapor Density | Not applicable to solids |
| pH | 5-8 pH Electrode Aqueous solution |
| Relative Density | Relative Density (water = 1) 1.3 Volume Displacement |
| Melting Point/Freezing Point | Thermal analysis Decomposes before melting. |
| Solubility | Water solubility Appreciable |
| Initial Boiling Point and Boiling Range | Boiling point (760 mmHg) Not applicable to solids |
| Flash Point | closed cup Not applicable to solids |
| Evaporation Rate | Not applicable to solids |
| Flammability (Solid, Gas) | Flammability (solid, gas) May form combustible dust concentrations in air. |
| Partition Coefficient | No data available |
| Auto-Ignition Temperature | 170°C (338°F) Other guidelines Does not ignite before melting. |
| Decomposition Temperature | 140°C (284°F) Differential Scanning Calorimetry (DSC) Decomposes on heating |
| Viscosity | No data available |

Section 10: Stability and Reactivity

| | |
|---|--|
| Reactivity | No data available |
| Chemical Stability | Stable under recommended storage conditions. See Storage, Section 7. |
| 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. Based on information for component(s): LD50, Rat, > 10,000 mg/kg Estimated. |
| 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 | Essentially nonirritating to eyes. Solid or dust may cause irritation or corneal injury due to mechanical action. |
| Skin Corrosion/Irritation | Essentially nonirritating to skin. |
| Serious Eye Damage/Irritation | Essentially nonirritating to eyes. Solid or dust may cause irritation or corneal injury due to mechanical action. |
| Respiratory or Skin Sensitization | For skin sensitization: No relevant data found. 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 | No data available. Similar cellulose derivatives did not cause cancer in long-term animal studies. |
| Carcinogenicity ACGIH | No data available. Similar cellulose derivatives did not cause cancer in long-term animal studies. |
| Carcinogenicity NTP | No data available. Similar cellulose derivatives did not cause cancer in long-term animal studies. |
| Carcinogenicity OSHA | No data available. Similar cellulose derivatives did not cause cancer in long-term animal studies. |
| Reproductive Toxicity | In animal studies, a similar cellulose derivative has been shown not to interfere with reproduction. |
| Specific Target Organ Toxicity - Single Exposure | Available data are inadequate to determine single exposure specific target organ toxicity. |
| 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 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 | For this family of materials: Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability. |
| Bio- accumulative Potential | 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 | 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. |
| 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

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 Combustible dust 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 Prop. 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. 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

Section 16: Other Information

| | |
|-------------------------------|------------------|
| Additional Information | N/A |
| Prepared By | Scarlotte Smith |
| Revision Date | 12/18/2020 15:42 |

Disclaimer

Letco Medical, LLC believes that the above information is correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. If the product is used as a component in another product, this information may not be applicable. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED ABOVE. Letco Medical shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.