

## Section 1: Identification

<b>Common Name/Trade Name</b>	Microcrystalline cellulose (AVICEL PH105)	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
<b>Distributor Name</b>	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: <a href="mailto:bellacorp@bellacorp.com.au">bellacorp@bellacorp.com.au</a>	
<b>Product Synonym(s)</b>	Microcrystalline cellulose (INCI Name): MCC, cellulose gel	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

## Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Not a hazardous substance or mixture.
<b>Signal Word</b>	None
<b>Hazard Statement(s)</b>	N/A
<b>Pictogram(s)</b>	N/A
<b>Precautionary Statement(s)</b>	N/A
<b>Hazards Not Otherwise Classified</b>	Excessive inhalation of dust can mechanically impede respiration. Due to the hygroscopic properties of the gums, they can form a paste or gel in the airway. Aspiration or inhalation of this product could cause chemical pneumonitis.
<b>Ingredient(s) with Unknown Toxicity</b>	No data Available

## Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	Microcrystalline cellulose (INCI Name): MCC, cellulose gel
<b>Common Name</b>	Avicel® PH105 Microcrystalline Cellulose
<b>CAS Number</b>	9004-34-6
<b>Impurities and/or Stabilizing Additives</b>	No data available

## Section 4: First Aid Measures

<b>General Advice</b>	No data available
<b>If Inhaled</b>	Remove person to fresh air. If breathing is difficult or if discomfort occurs and persists, obtain medical attention.
<b>In Case of Skin Contact</b>	Wash off with warm water and soap as a precaution.
<b>In Case of Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if eye irritation develops or persists.
<b>If Swallowed</b>	Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.
<b>Most Important Symptoms and Effects</b>	Difficulty breathing. Cough. Indication of immediate medical attention and special treatment needed, if necessary: Aspiration or inhalation of this product could cause chemical pneumonitis. Treatment is symptomatic and supportive.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special Hazards Arising From the Substance/Mixture</b>	Avoid dust formation. Fine dust dispersed in air, insufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Special PPE and/or Precautions for Firefighters</b>	Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Avoid dispersal of dust in the air (i.e., cleaning dust surf aces with compressed air.). Avoid breathing dust. Powder may become slippery when wet. For personal protection see section 8.
<b>Methods and Materials Used for Containment</b>	Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
<b>Cleanup Procedures</b>	Sweep, vacuum or shovel into suitable containers for disposal. Non-sparking tools should be used. Washdown water is not recommended. Powder may become slippery when wet.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powdered material can build static electricity when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmosphere. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected. Handle in accordance with good industrial hygiene and safety practice.
<b>Conditions for Safe Storage</b>	Store at less than 25°C, in tightly closed containers. Keep out of direct sunlight. Store in dry environment away from heat and sources of ignition, i.e., steam pipes, radiant heaters, hot air vents or welding sparks. Do not store with strong smelling materials.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	Microcrystalline cellulose: The United Kingdom STEL 20 mg/m <sup>3</sup> , STEL 12 mg/m <sup>3</sup> , TWA 10mg/m <sup>3</sup> , TWA 4mg/m <sup>3</sup> , France: TW 10mg/m <sup>3</sup> , Portugal: TWA 10 mg/m <sup>3</sup> , Switzerland: TWA 3 mg/m <sup>3</sup> , Ireland: TWA 10gm/m <sup>3</sup> , TWA 4 mg/m <sup>3</sup> , STEL 20mg/m <sup>3</sup> , STEL 12 mg/m <sup>3</sup> .
<b>Appropriate Engineering Controls</b>	It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression or an oxygen-deficient environment. Use only appropriately classified electrical equipment and powered industrial trucks. Protective engineering solutions should be implemented and in use. These recommendations apply to the product as supplied. If the product is used in mixtures, contact an appropriate protective equipment supplier or industrial hygienist for more information.
<b>PPE - Eye/Face Protection</b>	Safety glasses.
<b>PPE - Skin Protection</b>	Protective gloves. Minimize skin contamination by following good industrial hygiene practices.
<b>PPE - Body Protection</b>	Protective gloves. Minimize skin contamination by following good industrial hygiene practices.
<b>PPE - Respiratory Protection</b>	Local nuisance dust standards apply. In case of insufficient ventilation wear suitable respiratory equipment.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Dry powder Free flowing powder
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	No data available
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	No data available
<b>Solubility</b>	Insoluble in water
<b>Initial Boiling Point and Boiling Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	No data available
<b>Auto-Ignition Temperature</b>	Minimum Ignition Temperature: 420°C >500
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	Stable under recommended storage conditions. Static electricity might be sufficient to ignite dust clouds. Possibility of ignition will depend on the minimum ignition energy (MIE) and the type of operations undertaken with the material. MIE values are not provided in this SDS.
<b>Possibility of Hazardous Reactions</b>	None under normal processing. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Dust formation. Excessive heat. Humid air. Sparks.
<b>Incompatible Materials</b>	Oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products</b>	Burning produces obnoxious and toxic fumes. Sulphur oxides.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Product does not present an acute toxicity hazard based on known or supplied information. LD50 Oral > 5 g/kg ( Rat )
<b>Acute Toxicity - Inhalation</b>	LC50 Inhalation > 5800 mg/m <sup>3</sup> (Rat) 4 h
<b>Acute Toxicity - Dermal</b>	LD50 Dermal > 2 g/kg (Rabbit)
<b>Acute Toxicity - Eye</b>	No data available
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Irritation</b>	No data available
<b>Respiratory or Skin Sensitization</b>	Not expected to be sensitizing based on the components.
<b>Germ Cell Mutagenicity</b>	No known mutagenic or teratogenic effects.
<b>Carcinogenicity IARC</b>	No information available
<b>Carcinogenicity ACGIH</b>	No information available
<b>Carcinogenicity NTP</b>	No information available
<b>Carcinogenicity OSHA</b>	No information available
<b>Reproductive Toxicity</b>	This product does not contain any known or suspected reproductive hazards.
<b>Specific Target Organ Toxicity - Single Exposure</b>	None known.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	None noted in chronic animal studies.
<b>Aspiration Hazard</b>	Aspiration may cause chemical pneumonitis. Excessive inhalation of dust can mechanically impede respiration.

## Section 12: Ecological Information

<b>Toxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Persistence and Degradability</b>	Expected to biodegrade, based on component information.
<b>Bio-accumulative Potential</b>	Bioaccumulation is unlikely
<b>Mobility in Soil</b>	No data available
<b>Other Adverse Effects</b>	No data available

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose of in accordance with the European Directives on waste and hazardous waste.
<b>Waste Treatment Methods Packaging</b>	Dispose of in accordance with federal, state and local regulations.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods.
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A

## Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture: European Union Authorizations and/or restrictions on use: This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) Persistent Organic Pollutants Not Applicable Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not Applicable International Inventories: Microcrystalline cellulose 9004-34-6: TSCA (United States) X, DSL (Canada) X, EINECS/ELINCS (Europe) X, ENCS (Japan)X, China (IECSC)X, KECL (Korea)X, PICCS (Philippines)X, AICS (Australia)X.

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Original Version Date</b>	01/24/2019 12:31
<b>Revision Date</b>	10-Jan-2024 16:53 AUS

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