

Section 1: Identification

Common Name/Trade Name	Microcrystalline cellulose (AVICEL PH105)	
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)	Microcrystalline cellulose (INCI Name): MCC, cellulose gel	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not a hazardous substance or mixture.
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	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.
Ingredient(s) with Unknown Toxicity	No data Available

Section 3: Composition/Information on Ingredients

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

Section 4: First Aid Measures

General Advice	No data available
If Inhaled	Remove person to fresh air. If breathing is difficult or if discomfort occurs and persists, obtain medical attention.
In Case of Skin Contact	Wash off with warm water and soap as a precaution.
In Case of Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if eye irritation develops or persists.
If Swallowed	Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.
Most Important Symptoms and Effects	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

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

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	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.
Methods and Materials Used for Containment	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.
Cleanup Procedures	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

Precautions for Safe Handling	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.
Conditions for Safe Storage	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

Components with Workplace Control Parameters	Microcrystalline cellulose: The United Kingdom STEL 20 mg/m ³ , STEL 12 mg/m ³ , TWA 10mg/m ³ , TWA 4mg/m ³ , France: TW 10mg/m ³ , Portugal: TWA 10 mg/m ³ , Switzerland: TWA 3 mg/m ³ , Ireland: TWA 10gm/m ³ , TWA 4 mg/m ³ , STEL 20mg/m ³ , STEL 12 mg/m ³ .
Appropriate Engineering Controls	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.
PPE - Eye/Face Protection	Safety glasses.
PPE - Skin Protection	Protective gloves. Minimize skin contamination by following good industrial hygiene practices.
PPE - Body Protection	Protective gloves. Minimize skin contamination by following good industrial hygiene practices.
PPE - Respiratory Protection	Local nuisance dust standards apply. In case of insufficient ventilation wear suitable respiratory equipment.

Section 9: Physical and Chemical Properties

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

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	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.
Possibility of Hazardous Reactions	None under normal processing. Hazardous polymerization does not occur.
Conditions to Avoid	Dust formation. Excessive heat. Humid air. Sparks.
Incompatible Materials	Oxidizing agents. Strong acids.
Hazardous Decomposition Products	Burning produces obnoxious and toxic fumes. Sulphur oxides.

Section 11: Toxicological Information

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

Section 12: Ecological Information

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

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose of in accordance with the European Directives on waste and hazardous waste.
Waste Treatment Methods Packaging	Dispose of in accordance with federal, state and local regulations.
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

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

Additional Information	N/A
Prepared By	Scarlotte Smith
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