

Section 1: Identification

Common Name/Trade Name	AVICEL PH105	
Supplier Information	Letco Medical 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)
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	No data available
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® PH 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 signs/symptoms continue, get medical attention.
In Case of Skin Contact	Wash off with warm water and soap
In Case of Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing
If Swallowed	Drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
Most Important Symptoms and Effects	None known.

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	Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases. According to NFPA 68, (Explosion Venting Guide) the Hazard Class of Dust Deflagrations for microcrystalline cellulose is St-1, the lowest hazard class.
Special PPE and/or Precautions for Firefighters	Wear self contained breathing apparatus and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Powder becomes slippery when wet. Avoid dust formation. Avoid breathing dust.
Methods and Materials Used for Containment	Sweep up and shovel. Keep in suitable, closed containers for disposal.
Cleanup Procedures	Sweep up and shovel. Keep in suitable, closed containers for disposal. Do not let product enter drains.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid dust formation in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected.
Conditions for Safe Storage	Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Chemical Name Microcrystalline cellulose 9004-34-6 The United Kingdom STEL 20 mg/m3 v STEL 12 mg/m3 TWA 10 mg/m3 TWA 4 mg/m3 Ireland TWA 10 mg/m3 TWA 4 mg/m3 STEL 20 mg/m3. Chemical Name Microcrystalline cellulose 9004-34-6 France TWA 10 mg/m3 Spain TWA 10 mg/m3 Portugal TWA 10 mg/m3. Chemical Name Microcrystalline cellulose 9004-34-6 Switzerland TWA 3 mg/m3 Belgium TWA 10 mg/m3 Chemical Name Microcrystalline cellulose 9004-34-6 Estonia TWA 10 mg/m3 Chemical Name Microcrystalline cellulose 9004-34-6 Latvia TWA 2 mg/m3 Chemical Name Microcrystalline cellulose 9004-34-6 Romania TWA 10 mg/m3 Russia MAC 10 mg/m3 Chemical Name Microcrystalline cellulose Croatia STEL 20 mg/m3 TWA 10 mg/m3 TWA 4 mg/m3
Appropriate Engineering Controls	Use with local exhaust ventilation.
PPE - Eye/Face Protection	Safety glasses.
PPE - Skin Protection	Wear suitable gloves and eye/face protection. Wash hands before breaks and at the end of workday. Wash hands with water.
PPE - Body Protection	Wear suitable gloves and eye/face protection. Wash hands before breaks and at the end of workday.
PPE - Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSH approved respiratory protection should be worn. The use of breathing apparatus must comply strictly with the manufactures' instructions and the regulations governing their choices and uses.

Section 9: Physical and Chemical Properties

Appearance	Form: Free Flowing Powder Colour: White
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	5.0 - 7.0 (11 % solids dispersion) (in solution)
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.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Excessive heat. Humid air. Dust formation.
Incompatible Materials	No data available
Hazardous Decomposition Products	Burning produces obnoxious and toxic fumes. Sulphur oxides.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	>5000 mg/kg (Rat)
Acute Toxicity - Inhalation	>2 g/kg (Rabbit)
Acute Toxicity - Dermal	>5800 mg/m ³ (Rat) 4 h
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Carcinogenicity ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Carcinogenicity NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Carcinogenicity OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Not expected to have significant environmental effects.
Persistence and Degradability	Microcrystalline cellulose is inherently biodegradable in soil.
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 in accordance with the European Directives on waste and hazardous waste.
Waste Treatment Methods Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
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 International Inventories.

Section 16: Other Information

Prepared By	Scarlotte Smith
Revision Date	05/19/2015 14:18

Disclaimer

The Harvard Drug Group, L.L.C. ("THDG") 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. THDG shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.