Section 1. Product and Company Identification

Product Name Microcrystalline Cellulose
CAS Number 9004-34-6

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
(914) 654-6800 **(914) 654-6899**
parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Combustible dust

Signal word: Warning

Hazard and precautionary statements
Hazard statement(s)
May form combustible dust concentrations in air
Precautionary statement(s)
None

Emergency Overview: Warning! Powdered material may form explosive dust-air mixtures. Combustible solid.
Potential Health Effects: No adverse health effects expected.

Section 3. Composition / Information on Ingredients

Common Name Microcrystalline Cellulose
Formula $(C_6H_{10}O_5)n$
CAS Number 9004-34-6

Section 4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.
Skin: Wash exposed area with soap and water. Get medical attention if irritation develops.
Eyes: Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.
Ingestion: Drink plenty of water. Never give anything by mouth to an unconscious person. If any discomfort persists, obtain medical attention.

Section 5. Firefighting Measures

Extinguishing Media: Water, dry chemical, foam, or carbon dioxide.
Explosion Hazard: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.
Special Information: In the event of fire, do not enter any enclosed or confined fire space without wearing full protective clothing. This is necessary to protect against the hazards of heat, products of combustion and oxygen deficiency. Do not breathe smoke, gases, or vapors generated.

Section 6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Maintain good housekeeping practices to minimize accumulation of settled dust, especially on overhead surfaces. Sweep up the spilled material in a manner that does not disperse dust into the air. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

Section 7. Handling and Storage

Avoid dust formation and control ignition sources. Empty only in inert, non-flammable atmosphere. To protect quality, store in a tight container in a dry place.

Section 8. Exposure Controls / Personal Protection

Airborne Exposure Limits
OSHA Permissible Exposure Limit (PEL): 15 mg/m^3 total dust, 5 mg/m^3 respirable fraction for nuisance dusts.
ACGIH Threshold Limit Value (TLV): 10 mg/m^3 total dust containing no asbestos and < 1% crystalline silica for Particulates Not Otherwise Classified (PNOC).

Eye Protection: Whenever airborne dust concentrations are high, appropriate protective eyewear, such as chemical safety goggles, should be worn to prevent eye contact.
Skin Protection: Not required
Personal Respirator: If the exposure limit is exceeded, a half-face dust/mist respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest (by U.S. NIOSH/MSHA). Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Section 9. Physical and Chemical Properties

Appearance: White, free flowing powder
Odor: Odorless
Water Solubility: Insoluble
Melting Point: Not applicable
Boiling Point: Not applicable

Flash Point: Not applicable
Flammability: Not applicable
Vapor Pressure: Not applicable
Vapor Density (Air=1): Not applicable
pH: 5.0 - 7.0 (5g / 40ml H_2O)
Specific Gravity (H_2O=1): Bulk density, 0.26 - 0.46 g/cc
Explosive Properties: No explosion hazard. But fine dust may create explosive mixtures with air.
Oxidizing Properties: Not applicable
Fat Solubility: Not available

Section 10. Stability and Reactivity

Stability: Stable under ordinary condition of use and storage.
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.
Conditions/Materials to Avoid (Incompatibility): Heat, flame, ignition source and dusting.

Section 11. Toxicological Information

Eye Contact: Non-irritating
Skin Contact: Non-irritating
Inhalation: Dust may cause nose irritation and chest discomfort.
Ingestion: Very low acute oral toxicity.
Acute Effects from Overexposure: Product has low oral, dermal and inhalation toxicity. It is non-irritating to the skin and eyes, and is non-sensitizing to the skin.
Chronic Effects from Overexposure: Microcrystalline cellulose is considered an inert dust which is not toxic to the lung when exposures are properly controlled. No adverse human effects are known.
Carcinogenicity: No
Mutagenicity: No

Section 12. Ecological Information

Biodegradability: Biodegradation in soil; Inherently biodegradable
Ecotoxicological Information: No information found

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Not regulated

Section 15. Regulatory Information

California Proposition 65: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.
Canada - WHMIS: Not a controlled product under the Canadian Workplace Hazardous Materials Information System (WHMIS)
EU Symbols: Not classified as dangerous.
EU Risk Phrases: Not classified as dangerous.
EU Safety Advise Phrases: Not classified as dangerous.
Additional Regulatory Information: Microcrystalline Cellulose meets the standards set forth in the United States Pharmacopeia/National Formulary, European Pharmacopoeia, the Pharmacopoeia of Japan and the Food Chemicals Codex. Microcrystalline Cellulose is generally recognized as safe (GRAS) by qualified experts and is in accordance with the United States Food and Drug Regulations.

Section 16. Other Information

Disclaimer: The above information is believed to be 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. It does not represent any guarantee of the properties of the product.

REVISION DATE: 1/7/2016