



Safety Data Sheet

Section 01 - Identification

Product Identifier	Alpha-Cel BH40
Other Means of Identification	Cellulose pulp (pulverized), cellulose flock, powdered cellulose, bleached sulphite pulp.
Product Use and Restrictions on Use	Filter aid media for clarification of liquids
Initial Supplier Identifier	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
Prepared By	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
24-Hour Emergency Phone	Phone: 1 (306) 664 – 2522

Section 02 - Hazard Identification

GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Powdered cellulose	9004-34-6	100%	

Section 04 - First Aid Measures

Inhalation	If irritation occurs or persists, remove victim to fresh air. If breathing becomes difficult or discomfort occurs, seek medical attention.
Skin Contact / Absorption	Rinse skin, with lukewarm, gently flowing water. If irritation occurs or persists, seek medical attention.
Eye Contact	Flush immediately with water for at least 30 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek medical attention if irritation persists.
Ingestion	If large amounts are ingested, give plenty of water to drink and seek medical attention of discomfort persists.
Additional Information	This product has very low toxicity. Treatment is symptomatic and supportive only.

Section 05 - Fire Fighting Measures

Suitable Extinguishing Media	Small fires: Carbon dioxide or dry chemical powder. Large fires: Water spray or alcohol resistant foam.
Unsuitable Extinguishing Media	Not Available.

Specific Hazards Arising From the Chemical	Carbon monoxide, carbon dioxide and formaldehyde.
Special Protective Equipment and Precautions for Fire-Fighters	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
Further Information	Like most organic powders, under severe dusting conditions, this material may form explosive mixtures in air.

Section 06 - Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue. Avoid breathing vapours, mists, gas or dust.
Environmental Precautions	Prevent material from entering sewers.
Methods and Materials for Containment and Cleaning Up	Avoid dust formation. Spills can be swept or vacuumed up for disposal or recovery.

Section 07 - Handling and Storage

Precautions for Safe Handling	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices to limit the amount of dust. Wash thoroughly after handling.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated place at room temperature. Do not store near open flames, spark sources and excessive heat.
Incompatibilities	Sparks, open flame, oxidizers.

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Cellulose	ACGIH	TLV-TWA	10mg/m ³
	OSHA	PEL-TWA	15mg/m ³

Engineering Control(s)

Ventilation Requirements	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.
Other	Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

Protective Equipment

Eyes/Face	Chemical safety goggles or safety glasses should be worn when dust concentrations are high. Wearing contact lenses is not recommended in dusty environments.
Hand Protection	No specific requirement, but it is good practice to prevent skin contact.
Skin and Body Protection	No specific requirement, but it is good practice to prevent skin contact. No special footwear is required other than what is mandated at place of work.

Respiratory Protection Use NIOSH/MSHA approved dusk mask for if dust levels are excessive (>15mg/m³).

Thermal Hazards Not Available.

Section 09 - Physical and Chemical Properties

Appearance

Physical State Solid

Colour White

Odour Odourless

Odour Threshold Not Applicable

Property

pH 5-7 (10% suspension)

Melting Point/Freezing Point Not Available

Initial Boiling Point and Boiling Range Not Available

Flash Point Not Available

Evaporation Rate Not Available

Flammability Material will burn if involved in a fire.

Upper Flammable Limit Not Available

Lower Flammable Limit Not Available

Vapour Pressure (mm Hg, 20°C) Not Available

Vapour Density (Air=1) Not Available

Relative Density Not Available

Solubility(ies) Insoluble in water

Partition Coefficient: n-octanol/water Not Available

Auto-ignition Temperature 400-500°C

Decomposition Temperature Not Available

Viscosity Not Available

Explosive Properties Like most organic powders, under severe dusting conditions, this material may form explosive mixtures in air.

Specific Gravity (Water=1) Not Available

% Volatiles by Volume Not Available

Formula Not Available

Molecular Weight >30000

Section 10 - Stability and Reactivity

Reactivity Not Available.

Stability Stable under normal conditions. Wet cellulose is susceptible to microbial attack.

Possibility of Hazardous Reactions Oxidized very slowly by air room temperature. Decomposes quickly above 180°C.

Conditions to Avoid Not Available.

Incompatible Materials Sparks, open flame, oxidizers.

Hazardous Decomposition Products Carbon monoxide and dioxide. Microbial degradation release extremely flammable methane gas and toxic carbon dioxide gas.

Section 11 - Toxicological Information

Acute Toxicity

Component	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Cellulose	>2000mg/kg (rat)	Not Available	>5800mg/m ³ (rat, 4hr)

Chronic Toxicity – Carcinogenicity

Component	IARC
Cellulose	Not considered to be carcinogenic by NTP, IARC, or OSHA.

Skin Corrosion/Irritation No adverse effects expected.

Ingestion Not a normal route of entry. May cause gastrointestinal upset.

Inhalation Considered a nuisance dust. Excessive dust concentrations may cause unpleasant deposit or irritation in the nasal and throat passages.

Serious Eye Damage/Irritation Dust may irritate eyes, resulting in redness or watering.

Respiratory or Skin Sensitization Chronic exposure may lead to respiratory sensitization.

Germ Cell Mutagenicity Not Available.

Reproductive Toxicity Not Available.

STOT-Single Exposure May aggravate pre-existing respiratory conditions or allergies.

STOT-Repeated Exposure No adverse effects expected.

Aspiration Hazard Not Available.

Synergistic Materials Not Available.

Section 12 – Ecological Information

Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Cellulose	Not Available	Not Available	Not Available

Biodegradability Not Available

Bioaccumulation Not Available

Mobility Not Available

Other Adverse Effects Not Available

Section 13 – Disposal Considerations

Waste From Residues/Unused Products Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Contaminated Packaging Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 – Transport Information

UN Number Not Regulated

UN Proper Shipping Name Not Regulated

Transport Hazard Class(es) Not Regulated

Packaging Group Not Regulated

Environmental Hazards Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.

Special Precautions Not Available

Transport in Bulk Not Available

TDG

Other Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

Section 15 – Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 – Other Information

Preparation Date September 3, 2015

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution[®] initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

References:

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

ClearTech Industries Inc. - Locations

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