



Safety Data Sheet

Section 01 - Identification

Product Identifier	Purifiber
Other Means of Identification	None
Product Use and Restrictions on Use	Filter media for commercial and public pools.
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
Cellulose	9004-34-6		

Section 04 - First Aid Measures

Inhalation	If symptoms are experienced, remove victim to fresh air. If breathing difficulties persists, seek medical attention.
Skin Contact / Absorption	Remove contaminate clothing. Rinse skin with lukewarm, gently flowing water and non-abrasive soap. If irritation occurs or persists, seek medical attention.
Eye Contact	Flush eye(s) with lukewarm, gently flowing water for 30 minutes, while forcibly holding the eyelid(s) open to ensure complete irrigation of the eye tissue. Remove contact lens if safe to do so. If irritation persists, seek medical attention.
Ingestion	Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth with water. If discomfort occurs, seek medical attention.
Additional Information	This product is expected to present a low hazard if exposed.

Section 05 - Fire Fighting Measures

Suitable Extinguishing Media	Small fires: Carbon dioxide or dry chemical powder. Large fires: Water spray or alcohol resistant foam.
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Unsuitable Extinguishing Media	Not Available
Specific Hazards Arising From the Chemical	Carbon monoxide and formaldehyde may form during a fire. Heat from a fire may cause a build-up of pressure inside the containers, causing them to explode.
Special Protective Equipment and Precautions for Fire-Fighters	Wear NIOSH-approved self-contained breathing apparatus and protective gear.
Further Information	Cellulose is a potential combustible dust hazard.

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.
Environmental Precautions	Not regarded as dangerous to the environment.
Methods and Materials for Containment and Cleaning Up	Carefully sweep or vacuum spilled product and place in suitable, labelled container for proper disposal.

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. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area. Keep container tightly closed. Store away from incompatible materials.
Incompatibilities	Not Available

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Cellulose	ACGIH	TLV-TWA	10 mg/m ³
	OSHA	PEL-TWA	15 mg/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 No specific requirements, but it is good practice to wear chemical safety glasses.

Hand Protection No specific requirement, but it is good practice to prevent skin contact by wearing chemical resistant gloves.

Skin and Body Protection Body suits, aprons and/or coveralls should be worn. Wash contaminated clothing and dry thoroughly before re-use.

No special footwear is required other than what is mandated at place of work.

Respiratory Protection If dust levels exceed 15 mg/m³, a NIOSH approved dust mask is recommended.

Thermal Hazards Not Available

Section 09 - Physical and Chemical Properties

Appearance

Physical State Solid, powder

Colour White

Odour Odourless

Odour Threshold Not Applicable

Property

pH Not Applicable

Melting Point/Freezing Point Decomposes

Initial Boiling Point and Boiling Range Decomposes

Flash Point Not Applicable

Evaporation Rate Not Applicable

Flammability Can burn if strongly heated.

Upper Flammable Limit Not Applicable

Lower Flammable Limit Not Applicable

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

Vapour Density (Air=1) Not Applicable

Relative Density Not Applicable

Solubility(ies) Insoluble in water.
Insoluble in most organic solvents.

Partition Coefficient: n-octanol/water Not Applicable

Auto-ignition Temperature Not Applicable; decomposes.

Decomposition Temperature 180°C (356°F)

Viscosity Not Applicable

Explosive Properties Potential combustible dust hazard.

Specific Gravity (Water=1) 1.27-1.61

% Volatiles by Volume Not Available

Formula Not Available

Molecular Weight >30,000

Section 10 - Stability and Reactivity

Reactivity	Not Available
Stability	Normally stable. Wet cellulose is susceptible to microbial attack.
Possibility of Hazardous Reactions	Oxidized very slowly by air at room temperature. Microbial attack may cause wet cellulose to self heat and consequently undergo spontaneous combustion. Decomposes quickly above 180°C.
Conditions to Avoid	Not Available
Incompatible Materials	Not Available
Hazardous Decomposition Products	Methane gas and carbon dioxide gas may be release upon microbial degradation. Peroxides, aldehydes, ketones, acids and other compounds form upon air oxidation. Thermal decomposition or decomposition of peroxides form compounds such as glucose monomers, levoglucosan, polycyclic ethers, arabonic acid, furfural, furaldheyde, furan, oxalic acid, acetaldehyde, formic acid, formaldehyde, carbon monoxide, or carbon dioxide.

Section 11 - Toxicological Information

Acute Toxicity

Component	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Cellulose	>2,000 mg/kg (rat)	Not Available	>5,800 mg/m ³

Chronic Toxicity – Carcinogenicity

Component	IARC
Cellulose	The carcinogenicity of this chemical has not been evaluated.

Skin Corrosion/Irritation	Non-irritant.
Ingestion	Expected to present little to no hazard. May cause gastrointestinal discomfort.
Inhalation	Dust may cause respiratory irritation.
Serious Eye Damage/Irritation	Dust particles may cause mechanical irritation with redness, itching and tearing.
Respiratory or Skin Sensitization	Not Available
Germ Cell Mutagenicity	Not Available
Reproductive Toxicity	Not Available
STOT-Single Exposure	May cause respiratory irritation.
STOT-Repeated Exposure	Not Available
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
<u>TDG</u>	
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 December 14, 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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