

SAFETY DATA SHEET FIBER CLEAR

1. Identification



a). GHS Product Identifier: Cellulose Fiber

HMIS / NFPA Rating: Health: 0 Flammability: 0 Reactivity: 0 Personal Protection Index: 1

b) Other means of identification: Wood pulp

c). Recommended use of the chemical and restrictions on use: Filtration aid for swimming pools and spas

d). Supplier's Details : Fiber Clear, Inc., 5197 G Street, Unit B, Chino, CA 91710

e). Emergency Phone Number : 612.670.1234

2. Hazard Identification :

a). Emergency Overview: Not expected to be a skin irritant. Inhalation may result in transitory irritation to nose and throat. This is 100% cellulose fiber. There are no hazardous components.

HMIS / NFPA Rating: Health: 0 Flammability: 0 Reactivity: 0 Personal Protection Index: 1

NFPA / HMIS Definitions: (0 – Least 1 – Slight 2 - Moderate 3 –High 4- Extreme 5

3. Composition / Information on Ingredients

Substance

a) Chemical Identity: $C_6H_{10}O_5)_n$

b) Common name : Cellulose, Wood Pulp

c) CAS Number: n / a

	<u>ppm</u>	<u>mg / m³</u>
OSHA PEL-TWA:		15 mg / m ³
OSHA PEL STEL :		
OSHA PEL CEILING:		
ACGIH TLV-TWA:	Total Dust	10 mg / m ³

ACGIH TLV STEL:

ACGIH TLV CEILING:

d). Impurities and Stabilizing Additives : None

e). Mixture : Contains no ingredients classified or hazardous

4. First-Aid Measures

a). Description of Necessary First Aid Measures

Routes of Entry: Inhalation: Yes Eyes: Yes Skin: No Ingestion: Yes

Potential Health Effects : EYES: Contact may cause transitory irritation.

SKIN: Not expected to be a skin irritant

INGESTION: No harmful effects. This is a food grade product.

INHALATION: Inhalation may cause cough or congestion..

b. Important Symptoms / Effects, Acute and Delayed

Acute Health Hazards: Overexposure: Transitory upper respiratory tract irritation.

Chronic Health Hazards: Overexposure: No data available.

c. Medical Conditions Generally Aggravated By Exposure:

Any condition, which would be aggravated by coughing or congestion

d. Immediate Medical Attention:

Eyes: Flush eyes with large amounts of water if in contact. If irritation persists, seek medical attention.

Skin: N / A

Ingestion:: N / A

Inhalation: Seek fresh air if inhaled. Blow nose to evacuate dust. Drink water to clear throat.

5. Fire Fighting Measures

a. Suitable Extinguishing Media: Water, CO₂

b. Hazardous Decomposition Products: n / a

Flammable Limits in Air, (% by volume) Upper: Like Paper Lower: Like Paper

Flash Point: Like Paper

Auto Ignition Temperature: n / a

F:

C:

NFPA Hazard Classification:

Health: n / a

Flammability: n / a

Reactivity: n / a

Other: n / a

HMIS Hazard Classification:

Health: n / a

Flammability: n / a

Reactivity: n / a

Protection: n / a

c. Special Fire Fighting Procedures: None – treat as ordinary combustible.

Unusual Fire and Explosion Hazards: Airborne dust may be explosive.

Special Protective Equipment and Precautions: None

6. Accidental Release Measures

a. Personal Precautions, Protective Equipment, and Emergency Procedures:

Steps to be taken if material is released or spilled: Avoid inhalation of dust. If large amounts of dust are generated, collect with vacuum or suppress with water spray and sweep up.

b. Environmental Precautions:

None. Product is naturally biodegradable and benign to the environment.

c. Methods and Materials For Containment and Cleaning Up:

Vacuum or broom, and use collection container, as needed.

7. Handling and Storage

a. Precautions For Safe Handling:

Avoid generating airborne dust.

Protect from excessive moisture.

Maintain good housekeeping practices.

b. Precautions For Safe Storage

Do not store next to vaporizable materials to prevent absorption of off odors.

Store in a dry location.

8. Exposure Controls / Personal Protection

a. Control Parameters / Exposure Guidelines:

	<u>ppm</u>	<u>mg / m³</u>
OSHA PEL-TWA:		15 mg / m ³
OSHA PEL STEL: n / a		
OSHA PEL CEILING:		
ACGIH TLV-TWA:	Total Dust	10 mg / m ³

b. Engineering Controls:

Ventilation: Local Exhaust, Mechanical (General) : As needed to keep dust below PEL

Respiratory Protection: NIOSH / MSHA approved dust respirator, as needed.

Eye Protection: Not normally necessary.

Skin Protection: Not normally necessary.

Other Protective Clothing or Equipment: None

Work Hygienic Practices: None

9. Physical and Chemical Properties

- a). **Appearance :** White, fluffy, odorless powder
- b). **Odor:** None
- c). **Odor threshold:** n / a
- d). **pH:** 7.1 as supplied
- e). **Melting point/freezing point:** Not applicable
- f). **Initial boiling point and boiling range:** Not applicable
- g). **Flash point:** Not applicable
- h). **Evaporation rate:** Basis (Butyl Acetate=1): Not applicable

- i). **Flammability (solid, gas): Like paper**
- j). **Upper/lower flammability or explosive limits: Like paper**
- k). **Vapor pressure (mmHg): n / a**
- l). **Vapor density (Air=1): n / a**
- m). **Relative density: Specific gravity(H₂O=1): 0.15 – 0.42**
- n). **Solubility(ies): Insoluble**
- o). **Partition coefficient: n-octanol/water: n / a**
- p). **Auto-ignition temperature: Like paper**
- q). **Decomposition temperature: n / a**
- r). **Viscosity:**
- s). **Percent Solids By Weight: 99 + %**
- t). **Volatile Organic Compounds, (VOC): n /a**
- u). **Viscosity: n / a**

10. Stability and Reactivity

- a). **Reactivity: n / a**
- b). **Chemical Stability: Stable**
- c). **Conditions to Avoid (Stability): None under normal conditions.**
- d). **Incompatible materials: Avoid contact with oxidizing agents**
- e). **Possibility of Hazardous Reactions: Hazardous Polymerization will not occur**
- f). **Hazardous Decomposition Products or By-Products: CO₂, CO₃, smoke**
- g). **Conditions To Avoid (Polymerization) : None in designed use.**

11. Toxicological Information:

- a). **Not expected to be a skin irritant under normal use. Contact with eyes may cause transitory irritation.**

12. Ecological Information : No information available.

- a). Ecotoxicity: Non-Toxic. Poses no toxicity to the environment
- b). Persistence and Degradability : Biodegradable
- c). Bioaccumulative Potential: No potential for accumulation.
- d). Mobility in the Soil: 100 % Biodegradable
- e). Other adverse effects:: None

13. Disposal Considerations

- a). WASTE DISPOSAL METHOD: Dispose in an approved landfill according to federal, state, and local regulations.
- b). RCRA HAZARD CLASS: Wastes are not hazardous as defined by RCRA (40 CFR, part 261)

14. Transport information

U.S. DEPARTMENT OF TRANSPORTATION	Not Applicable
PROPER SHIPPING NAME:	
HAZARD CLASS:	
ID NUMBER:	
PACKING GROUP:	
LABEL STATEMENT:	

WATER TRANSPORTATION	Not Applicable
PROPER SHIPPING NAME:	
HAZARD CLASS:	
ID NUMBER:	
PACKING GROUP:	
LABEL STATEMENTS:	

AIR TRANSPORTATION	Not Applicable
PROPER SHIPPING NAME:	
HAZARD CLASS:	
ID NUMBER:	
PACKING GROUP:	
LABEL STATEMENTS:	

OTHER AGENCIES:	Not Applicable
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15. Regulatory information

- a). U.S. FEDERAL REGULATIONSTSCA (TOXIC SUBSTANCE CONTROL ACT):**
- b). CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**
- c). SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**
- d). 311/312 HAZARD CATEGORIES:**
- e). 313 REPORTABLE INGREDIENTS:**

313 REPORTABLE INGREDIENTS:
- f). STATE REGULATIONS:**
- g). INTERNATIONAL REGULATIONS:**

Section 15 Notes: Cellulose wood pulp is listed in the Code of Federal Regulations 21 CFR 186.1673 as an indirect food substance, which is Generally Regarded As Safe (GRAS).

16. Other information

Prepared By: MG Dunlop, Fiber Clear, Inc. Date: December 30, 2013

The data in this Material Safety Data Sheet relates only to the specific materials designated herein. It does not relate to use in combination with any other material or in any process.

DISCLAIMER: We believe the statements, technical information, and recommendations above are accurate and are provided in good faith, but are given without warranty or guarantee of any kind.

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