MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name

Product use Fluff pulp is used for a variety of absorbent products and specialty applications.

Manufacturer information

2. Hazards Identification

Emergency overview CAUTION! May cause eye irritation. May cause respiratory tract irritation. Fire hazard. High concentrations of airborne dust may ignite or form explosive mixture with air.

Target organs Eye and respiratory system

Potential health effects

Eyes Dust may cause eye irritation resulting in redness or watering.

Skin Not expected to be irritating to the skin.

Inhalation May cause irritation or obstruction in the nasal passage and respiratory tract resulting in sneezing and coughing. Treat as a nuisance dust.

Ingestion No adverse effects expected under normal conditions of use. However, ingestion of large quantities of fluff pulp may cause upset or obstruction of the gastrointestinal tract.

3. Composition / Information on Ingredients

Components	CAS #	Percent
CELLULOSE PULP	65996-61-4	90 - 94
WATER	7732-18-5	6 - 10

Component information Since this material is converted into other products in varying operations, there may be a possibility of generating dust under certain conditions. This MSDS contains valuable information critical to the safe handling and proper use of the product. The MSDS should be retained and available for employees and other users of this product.

4. First Aid Measures

First aid procedures

Eye contact Treat as a nuisance dust. Remove contact lenses and immediately rinse eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.

Skin contact If irritation occurs, remove contaminated clothing and shoes; wash skin with soap and water. Wash clothing before reuse.

Inhalation Immediately remove subject from exposure to fresh air. Seek medical attention if respiratory irritation, severe coughing, or breathing difficulty persists.

Ingestion If swallowed, do not induce vomiting. Seek medical attention.

5. Fire Fighting Measures

General fire hazards In sufficient concentrations, fine dust dispersed in air at elevated temperatures or in the presence of an ignition source is a potential fire or dust explosion hazard. Airborne concentration of 15-200 g/m3 is often used as the minimum explosive concentration (MEC) or LFL.

Extinguishing media

Suitable extinguishing media Use a water spray to wet down paper dust to reduce the likelihood of ignition or dispersion of dust into the air.

Explosion data

Sensitivity to static discharge	Not available
Sensitivity to mechanical impact	Not available
Hazardous combustion products	Carbon Dioxide, Carbon Monoxide, aldehydes, and complex oxides

6. Accidental Release Measures

Methods for containment Eliminate all ignition sources. Isolate area. Wear appropriate personal protective equipment as specified in Section 8. Clean up material in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by wetting with water. Pick up spill for recovery or disposal and place in a closed container.

7. Handling and Storage

Handling Use with adequate ventilation. Use wet methods, if appropriate, to minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Avoid inhalation or ingestion.

Storage Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container.

8. Exposure Controls / Personal Protection

CELLULOSE PULP (CAS # 65996-61-4)

	TWA	STEL	Ceiling
ACGIH	10 mg/m3 TWA	Not established	Not established
OSHA	15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction	Not established	Not established

Engineering controls When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust. Due to the explosive potential of paper dust when suspended in air, precautions should be taken to prevent sparks or other ignition source in ventilation equipment. Use of totally enclosed motors is recommended. Follow good housekeeping practices; vacuum up areas where paper dust settles to avoid excessive accumulation of this combustible material.

Personal protective equipment

Eye / face protection Goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels. Ensure compliance with OSHA's PPE standard (29 CFR 1910.132 and 133) for eye and face protection.

Skin protection Gloves and outer garments are recommended to minimize potential irritation from handling product. Launder clothing before reuse. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection).

Respiratory protection A NIOSH-approved respirator is recommended when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

9. Physical & Chemical Properties

Appearance	Fluff pulp
Color	White or Natural
Odor	Paper-like
Odor threshold	Not available
Physical state	Solid.
pH	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	Not available

Evaporation rate	Not available
Flammability	Combustible Solid
Flammability limits in air, upper, % by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Relative density	0.9988 lb/cu ft estimated
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	400 - 500 °F (204.4 - 260 °C)
Decomposition temperature	Not available
Molecular weight	(162)X

10. Chemical Stability & Reactivity Information

Chemical stability	Product is stable under normal conditions of use.
Conditions to avoid	High temperatures, open flame, sparks, or other sources of ignition.
Conditions of Reactivity	Not expected under normal conditions of use.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	In a fire situation, carbon dioxide and carbon monoxide.
Possibility of hazardous reactions	Not expected under normal conditions of use.

11. Toxicological Information

Sensitization	Patch test on human volunteers did not demonstrate a potential for eliciting dermal sensitization.
Irritancy	Patch test on human volunteers did not demonstrate a potential for eliciting dermal irritation.
Carcinogenicity	None of this product's components are listed by ACGIH, IARC, OSHA, or NTP.
Mutagenicity	Not available
Reproductive effects	Not available
Teratogenicity	Not available
Synergistic materials	Not available

12. Ecological Information

Ecotoxicity	No ecotoxicity data are available for this product's components.

13. Disposal Considerations

Waste codes	No EPA waste numbers are applicable for this product.
Disposal instructions	Dispose of in a landfill or incinerate in accordance with federal, state, local and provincial regulations.

14. Transport Information

Department of Transportation (DOT) Requirements

This product is not regulated as a hazardous material by the United States (DOT) transportation regulations

Canadian Transportation of Dangerous Goods (TDG) Requirements

Not regulated as dangerous goods.

15. Regulatory Information

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	Yes
Section 313 hazardous chemical	No

Inventory status

Country(s) or region	Inventory name	Compliant w/inventory requirements (yes/no)
Canada	Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

16. Other Information

HMIS® ratings	Health: 1 Flammability: 2 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 2 Instability: 0
Disclaimer	IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Georgia Pacific and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Georgia Pacific and its subsidiaries will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading..
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