

**Section 1. Product and Company Identification**

Product Group	: Market Pulp
Trade Names or Grades	: EnduraFiber™ SBSK, EnduraFiber™ SBHK, EnduraFiber™ Blend
Other Means of Identification	: SBSK, SBHK, Southern Bleached Softwood, Hardwood Market Pulp, Unbleached Pulp, roll pulp
Recommended Use of the Chemical and Restrictions on Use	: Cellulose fiber for processing into paper and fiber products, No applicable restrictions.
Company	: WestRock Company A subsidiary of Smurfit Westrock, plc 1000 Abernathy Road NE Atlanta GA 30328 770-448-2193
Emergency Phone	: (800) 424-9300 (CHEMTREC)

Section 2. Hazards Identification

GHS Classification	: Combustible Dust (OSHA Defined Hazard)* *EU/GHS Hazard- Not classified as hazardous
Signal Word	: WARNING
Hazard Statement(s)	: May form combustible dust concentrations in air, if small particles are formed during processing, handling, or by other means.
Hazard Pictogram	: None
Precautionary Statement(s)	: <u>PREVENTION STATEMENTS</u> : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. <u>RESPONSE STATEMENTS</u> : Not applicable
Hazards Not Otherwise Classified	: None.
Ingredients of Unknown Acute Toxicity (>1%)	: Not applicable

Section 3. Composition and Information on Ingredients

No hazardous ingredients.

Section 4. First Aid Measures

Inhalation	: Excessive dust concentrations may cause unpleasant obstruction in the nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.
Skin Contact	: Wash with mild soap and water.

Eye Contact	: Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical help if irritation persists
Ingestion	: Not likely to occur for product during normal use
Most Important Symptoms/Effects, Acute and Delayed	: Cellulose dust can cause eye irritation and obstruction in the nasal passages. No delayed effects expected
Indication of Immediate Medical Attention and Special Treatment Needed	: Immediate medical attention should not be required.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media	: Water or other extinguishing agents appropriate for fighting surrounding fires
Specific Hazards Arising from the Chemical	: Product creates combustible dust when processed. Avoid contact with open flames or sparks. Use good housekeeping to avoid generation and accumulation of dust. Combustion products include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.
Special Firefighting Equipment/Procedures	: As in any fire wear approved self contained breathing apparatus and appropriate protective clothing

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	: Maintain good housekeeping to avoid accumulation of dust on exposed surfaces. Use NIOSH approved filtering facepiece respirator ("dust mask") and goggles where ventilation is not possible and exposure limits may be exceeded or for additional worker comfort.
Methods for Containment and Cleaning Up:	: Sweep or vacuum up for recovery and disposal. Avoid creating dusty conditions whenever feasible. Minimize compressed air blowdown or other practices that generate high dust levels. Use explosion-proof vacuum if necessary, during clean-up.

Section 7. Handling and Storage

Precautions for Safe Handling	<p>: Because of the size of the bales or rolls, physical hazards are the predominant hazards. Safety shoes should be worn when moving rolls by hand or hand tools. Product should be stored on flat, clean and even surfaces to prevent tipping over.</p> <p>Product processing may result in the release of cellulose fibers. Minimize dust generation and accumulation. Maintain good housekeeping to avoid accumulation of dust on exposed surfaces. Product dust may pose a combustible dust hazard.</p> <p>This product as supplied and shipped is highly unlikely to release sufficient cellulose dust to constitute a combustible dust explosion hazard. Caution should be taken in the processing, handling and use of these materials, particularly if they are in a dry state and dust is produced.</p> <p>Pulp cellulose, a specific form of cellulose, is reported by NFPA as having a K_{st} value of 62 bar-m/s. According to guidance in the OSHA combustible dust publication "OSHA 3371-08 2009" pulp cellulose dust would be</p>
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classified as a Class ST 1 combustible dust: (K_{st} dry = > 0 and ≤ 200 bar-m/s). Depending on airborne concentration, moisture content, particle diameter, surface area and exposure to an ignition source, airborne cellulose dust may ignite and burn with explosive force in a contained area. Cellulose dust may deflagrate if ignited in an open or loosely contained area. Refer to NFPA standards 654, 69 and the NFPA Fire Protection Handbook for guidance.

Conditions for Safe Storage, Including any Incompatibilities

: All product material should be stored away from open flame and other sources of ignition.

Section 8. Exposure Controls/Personal Protection

Components with Workplace Control Parameters

Name	Exposure Limits
Cellulose	15 mg/m ³ TWA OSHA PEL (Total dust) 5 mg/m ³ TWA OSHA PEL (Respirable dust) 10 mg/m ³ TWA ACGIH TLV (Total dust)

Appropriate Engineering Controls

Ventilation

: Provide local exhaust as needed so that exposure limits are met. Use with adequate ventilation to ensure exposure levels are maintained below the limits provided (see section 8). Use local exhaust ventilation, and process enclosure, if necessary, to control airborne dust. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present. The design and operation of any exhaust system should consider the possibility of explosive concentrations of cellulose dust within the system.

Ensure that exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or suppression systems designed and operated in accordance with applicable standards if the operating conditions justify their use.

Personal Protective Equipment

Respiratory Protection

: Use filtering face piece respirator ("dust mask") tested and approved under appropriate government standards such as NIOSH (US) or CSA (Canada), where ventilation is not possible and exposure limits may be exceeded or for additional worker comfort or symptom relief when fiberization of the product occurs. Use respiratory protection in accordance with jurisdictional regulatory requirements similar to the OSHA respiratory protection standard 29 CFR 1910.134 following a determination of risk from potential exposures.

Hand Protection

: Not normally required. Cloth, canvas, or leather gloves are recommended to minimize potential mechanical irritation or cuts from handling product.

Eye Protection

: Approved goggles or tight-fitting safety glasses are recommended when excessive exposures to dust may occur (e.g., during clean up) and when eye contact may occur.

Body Protection

: Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas

Hygiene Practices : Follow good hygienic and housekeeping practices. Clean up areas where cellulose dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air blowdown or other practices that generate high airborne-dust concentrations

Section 9. Physical and Chemical Properties

Appearance : Bales or rolls. White or brown, if unbleached.
Odor : No odor.
Odor Threshold : Not available
pH : Not applicable
Melting/Freezing Point : Not applicable
Initial Boiling Point and Range : Not applicable
Flash Point : Not available
Evaporation Rate : Not applicable
Flammability (solid, gas) : May form combustible dust concentrations in air
Upper/Lower Explosive Limits : Not available
Vapor Pressure : Not applicable
Vapor Density : Not applicable
Relative Density : Not available.
Solubility in Water : Not available
Partition Coefficient : Not applicable
Auto-ignition Temperature : 450°F (233 °C)
Decomposition Temperature : Not available
Viscosity : Not applicable

Section 10. Stability and Reactivity

Reactivity : This product is not reactive.
Chemical Stability : This product is stable under normal conditions of use and storage.
Possibility of Hazardous Reactions : None known.
Conditions to Avoid : Avoid open flame, sparks and other sources of ignition
Incompatible Materials : Not applicable
Hazardous Decomposition Products : Combustion products include carbon monoxide, carbon dioxide and fine particulate in the form of smoke

Section 11. Toxicological Information

Information on Likely Routes of Exposure

Inhalation : Dust may irritate mucous membranes and respiratory system.
Skin : Dust may cause mechanical skin irritation.
Eye : Dust may cause mechanical eye irritation.
Ingestion : No hazardous effects expected.

Information on Toxicological Effects

Chronic Health Hazards	: No chronic health effects are expected.
Reproductive effects	: Data is not available
Mutagenic effects	: Data is not available
Toxicity Data	: No specific information available for product in purchased form.
Carcinogenicity	: IARC: None of the ingredients are listed by IARC. NTP: None of the ingredients are listed by NTP. OSHA: None of the ingredients are listed by OSHA.

Section 12. Ecological Information

Ecotoxicity	: This product is not classified as hazardous to the environment. However, release to the environment should be avoided
Persistence and Degradability	: Cellulose fiber slowly biodegrades in water (half-life range 1 month – 1 year in freshwater and coastal seawater). Cellulose fiber persists in arid soil (landfills).
Bio accumulative Potential	: Not expected to bioaccumulate.
Mobility in Soil	: No information available
Other Adverse Effects	: Not Applicable

Section 13. Disposal Considerations

Disposal Method	: Follow all applicable federal, state, provincial and local regulations. It is the user's responsibility to determine proper disposal methods.
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Section 14. Transport Information

Transport Information	: This product is not regulated for transport by DOT, TDG, IATA, or IMDG
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Section 15. Regulatory Information

TSCA	: All ingredients of this product are either listed on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30
CERCLA	: This product does not contain ingredients which are subject to the reporting requirements of CERCLA.
State Right-to-Know	: California - This product does not require a warning under California Proposition 65.
SARA 313 Information	: This product does not contain any chemical ingredients that exceed the threshold reporting levels established by SARA Title III, section 313 and 40 CFR section 372.
SARA 311/312 Hazard Category	Refer to Section 2 for OSHA Hazard Classification

Section 16. Other Information

Revision Date : June 23, 2025

Prepared By : Smurfit Westrock North America – Product Stewardship

This SDS is compliant with 29 CFR 1910.1200.

The information and data herein are believed to be accurate and have been compiled from external sources believed to be reliable. The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose and use in compliance with all applicable laws and standards. No liability is extended for claims relating to any party's use of or reliance on information and data contained herein.

Definition of Common Terms:

ACGIH®	= American Conference of Governmental Industrial Hygienists
C	= Ceiling Limit
CAS#	= Chemical Abstracts System Number
CERCLA	= Comprehensive Environmental Response, Compensation, and Liability Act
DOT	= U. S. Department of Transportation
DSL	= Canada-Domestic Substance List
EC50	= Effective concentration that inhibits the endpoint to 50% of control population
EPA	= U.S. Environmental Protection Agency
GHS	Globally Harmonized Standard
IARC	= International Agency for Research on Cancer
IATA	= International Air Transport Association
IMDG	= International Maritime Dangerous Goods
K _{st}	= Index used to classify dust explosion severity
LC ₅₀	= Concentration in air resulting in death to 50% of experimental animals
LC _{Lo}	= Lowest concentration in air resulting in death
LD ₅₀	= Administered dose resulting in death to 50% of experimental animals
LD _{Lo}	= Lowest dose resulting in death
LEL	= Lower Explosive Limit
LFL	= Lower Flammable Limit
MSHA	= Mine Safety and Health Administration
NIOSH	= National Institute for Occupational Safety and Health
NFPA	= National Fire Protection Association
NPRI	= Canada- National Pollution Release Inventory
NTP	= National Toxicology Program
OSHA	= Occupational Safety and Health Administration
PEL	= Permissible Exposure Limit
PNOR	= Particulate Not Otherwise Regulated
PNOS	= Particulate Not Otherwise Stated
RCRA	= Resource Conservation and Recovery Act
STEL	= Short-Term Exposure Limit (15 minutes)
STP	= Standard Temperature and Pressure
TC _{Lo}	= Lowest concentration in air resulting in a toxic effect
TDG	= Canadian Transportation of Dangerous Goods
TD _{Lo}	= Lowest dose resulting in a toxic effect
TLV	= Threshold Limit Value
TSCA	= U.S. Toxic Substance Control Act
TWA	= Time-Weighted Average (8 hours)
UFL	= Upper Flammable Limit
WHMIS	= Canada-Workplace Hazardous Materials Information System