

# Safety Data Sheet

Treated Jute



# CLEARFLOW

Group Inc.

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## 1. Identification of the Product and the Company

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**Product Name:** Silt Collection Mat                      **Product Type:** geotextile, sediment capture and containment mat

**Chemical Family:** Natural fiber with anionic polymer

**Material Uses:** Erosion control on unvegetated slopes, sediment/suspended solid capture in water.

**Supplier:** Clearflow Group Inc.                      #140, 134 Pembina Road                      Sherwood Park, AB T8H 0M2  
Ph. 780-410-1403                      Fx. 780-410-1406                      [www.clearflowgroup.com](http://www.clearflowgroup.com)

**In Case of Emergency:** 780-410-1403

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## 2. Composition / Information on Ingredients

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Natural Jute Fibre                      >99% by weight

Anionic Polymer                      <1% by weight

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

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## 3. Hazard Identification

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### Potential Acute Health Effects

**Inhalation:** Inhalation of vapours, mists, fibres or dusts of the product may be irritating to the respiratory system. May irritate mouth, nose, and throat.

**Ingestion:** May cause irritation of the lining of the stomach.

**Skin:** Fibres and polymer may cause mild to moderate irritation can occur. Prolonged or repeated contact may cause defatting and drying of the skin. Prolonged or repeated contact may cause discomfort and local redness.

**Eyes:** Fibres and polymer grains may cause eye irritation. May result in mild to moderate irritation to eyes.

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## 4. First Aid Measures

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**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

**Skin contact:** Wash with soap and water.

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**Notes to Physician:** Treatment based on sound judgement of physician and individual reactions of patient.

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## 5. Fire-Fighting Measures

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**Flash Point:** Not applicable.  
**Flash Point Method:** Not applicable.  
**Autoignition Temperature:** 193 °C  
**Flammable Limits in Air (%):** Not applicable.  
**Rate of Burning:** Moderate

### Extinguishing Media

**Suitable:** Water, Dry Chemical, or Foam.  
**Not Suitable:** None known.

**Hazardous Thermal Decomposition Products:** Carbon Oxides.

### Special Protective

**Equipment for Fire-Fighters:** Fire fighters should wear full protective clothing, including self-contained breathing equipment. Fire fighters should avoid inhaling any combustion products.

**Other Notes:** Jute is a dry natural fiber material and therefore flammable.

**NFPA Ratings for this product are:** HEALTH 1 FLAMMABILITY 1 INSTABILITY 0  
**HMIS Ratings for this product are:** HEALTH 1 FLAMMABILITY 1 REACTIVITY 0

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## 6. Accidental Release Measures

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**Personal precautions:** Wear appropriate protective equipment. Wet product and aqueous solutions of polymer are very slippery. Trace amounts of polymer on smooth surfaces can become extremely slippery when wet.

**Environmental Precautions:** No special precautions.

**Procedure for Clean-up:** Roll or fold up scraps. Sweep up any powder or small fibres. No special disposal considerations.

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## 7. Handling and Storage

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**Handling:** Avoid contact with eyes and skin. Do not ingest. Protect against physical damage. Use appropriate personnel protective equipment. Remove all sources of ignition when handling.

**Storage:** Store in a cool, dry area away from moisture, excessive heat, and sources of ignition. Store in accordance with good industrial practices. Protect against physical damage.

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## 8. Exposure Controls / Personal Protection

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### Personal Protection

**Respiratory:** Not normally required. If large amount of fibres become airborne a dust mask can be used.  
**Hands:** Use gloves appropriate for work or task being performed. Recommended: leather work gloves.  
**Eyes:** Safety eyewear should be used when there is a potential for contact. Recommended: safety glasses.  
**Skin** Skin Contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential.

**Other Personal Protection Data:** None.

**Engineering Controls:** Use as necessary to avoid contact with ignition sources.

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## 9. Physical and Chemical Properties

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<b>Physical State:</b>	Solid	<b>Color:</b>	Brown
<b>Odor:</b>	Loamy	<b>Appearance:</b>	Open-weave fibrous mesh
<b>pH:</b>	Not available.	<b>Specific Gravity:</b>	Not available.
<b>Boiling/Condensing Point:</b>	Not available.	<b>Melting/Freezing Point:</b>	Not available.
<b>Vapour Pressure:</b>	Not available.	<b>Vapour Density:</b>	Not available.
<b>% Volatile by Volume:</b>	Not available.	<b>Evaporation Rate:</b>	Not available.
<b>Solubility:</b>	Not soluble.	<b>VOCs:</b>	Not available.
<b>Other:</b>	None		

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## 10. Stability and Reactivity

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<b>Chemical Stability:</b>	The product is stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Temperatures above Autoignition Temperature, ignition sources.
<b>Materials to Avoid:</b>	Strong Oxidizers.
<b>Hazardous Decomposition Products:</b>	Carbon oxides may be released upon ignition.
<b>Additional Information:</b>	No additional information.

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## 11. Toxicological Information

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### Principle Routes of Exposure

<b>Ingestion:</b>	May cause irritation of the lining of the stomach.
<b>Skin contact:</b>	Mild to moderate irritation can occur. Prolonged or repeated contact may cause defatting and drying of the skin. Prolonged or repeated contact may cause discomfort and local redness.
<b>Inhalation:</b>	Inhalation of vapours, mists or dusts of the product may be irritating to the respiratory system. May irritate mouth, nose, and throat.
<b>Eye Contact:</b>	May causes eye irritation. May result in mild to moderate irritation to eyes.
<b>Additional Information:</b>	Prolonged and repeated contact with the skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.

### Acute Toxicity

None expected.

### Carcinogenicity

None expected.

### Reproductive Toxicity / Teratogenicity / Embryotoxicity / Mutagenicity

None expected.

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## 12. Ecological Information

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### Aquatic Ecotoxicity

None expected.

### Other Information:

<b>Bioaccumulation:</b>	The product is not expected to bioaccumulate.
<b>Persistence / Degradability:</b>	Product is composed of 100% natural and biodegradable components.

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## 13. Disposal Considerations

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**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

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## 14. Transport Information

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Regulatory Information	UN Number	Proper Shipping Name	Hazard Class	PG*	Label	Additional Information
DOT (U.S.)	-	-	-	-	-	not a regulated product
TDG (Canada)	-	-	-	-	-	not a regulated product

PG\* : Packaging Group

**Product not regulated as a dangerous good.**

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## 15. Regulatory Information

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**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

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## 16. Other Information

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**Additional Information:** This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

**Prepared By:** Clearflow Group, Inc.

**Date of Issue:** 1/07/2021

**Change List:**  
original – 3/22/2017  
data review – 4/10/2018  
data review – 4/04/2019  
Logo update, data review – 1/07/2021

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\*\*\*END OF SDS\*\*\*