



## Hemp Fibre Grow Mats

### SECTION 1. IDENTIFICATION

**Product Name:** Hemp Fibre Grow Mats

**Manufacturer:** BioComposites Group  
3250 50 Street  
Drayton Valley, AB  
T7A 0C6

**Emergency Telephone Number** 780-621-0000

### SECTION 2. HAZARD IDENTIFICATION

**Emergency Overview:** This is a natural fibre product that is flammable and combustible at high temperature. The product is non-toxic, and poses no immediate hazard to the health of emergency response personnel or to the environment in an emergency situation.

**Potential Health Effects:** Acute exposure to dust from the fibers may result in mild respiratory irritation and possible skin irritation due to tissue abrasion. No chronic health effects have been identified for any of the material components at concentrations used in the product. No component materials are identified as carcinogens by OSHA (see Section 11 – Toxicological Information).

**Potential Environmental Effects:** The product is non-toxic to the environment, and has a high degree of intrinsic stability.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Concentration	Common name / Synonyms	Other identifiers
Hemp Fibre	Not less than 80%	N/A	N/A
Bioscrim	Not more than 10%	N/A	N/A
Organic Modifiers	Not more than 10%	N/A	N/A

**Notes**

## SECTION 4. FIRST-AID MEASURES

<b>Inhalation</b>	Remove the person from exposure area to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention if irritation persists.
<b>Skin Contact</b>	If irritation occurs, remove contaminated clothing and wash affected area with soap and water. Seek medical attention if irritation persists.
<b>Eye Contact</b>	Flush with warm, running water, including under the eyelids, to remove dust particles. Seek medical attention if irritation persists.
<b>Ingestion</b>	If swallowed, no specific intervention is indicated as material is not likely to be hazardous by ingestion. Consult a physician if necessary.

## SECTION 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media Suitable Extinguishing Media</b>	Use any means of extinction appropriate, such as water, carbon dioxide, dry chemical, or foam.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	As with any fire, fire fighters should be fully trained and wear full protective clothing including an approved, self contained breathing apparatus which supplies a positive air pressure within a full face piece mask.
<b>Flashpoint and Method:</b>	Will ignite through external ignition.
<b>Auto-ignition temperature</b>	Greater than 450F

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Procedures for Cleanup</b>	Cleanup spill using precautions in Section 8, taking care to minimize the spread of fibres and generation of dust (eg. Broom or vacuum). Return uncontaminated spill material to the process if possible. Dispose of all waste material in refuse containers in accordance with all local, regional, and national requirements.
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## SECTION 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Material should be handled in packaged form.
<b>Conditions for Safe Storage</b>	Store product in a clean, dry area

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Individual Protection Measures</b>	Gloves and coveralls or other work clothing are recommended to prevent prolonged or repeated skin contact. Appropriate eye protection and dust mask should be worn where dust is generated.
<b>Ventilation</b>	Use adequate ventilation to reduce dust concentration in work environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Golden to dark brown fibres woven into matting with scrim base for stability
<b>Odour</b>	Odourless
<b>pH</b>	N/A
<b>Flash Point</b>	Greater than 450F
<b>Flammability (solid, gas)</b>	Solid

## SECTION 10. STABILITY AND REACTIVITY

<b>Stability and Reactivity:</b>	This material is stable and non-reactive under normal temperatures and pressures
<b>Incompatibilities</b>	Strong Oxidizers
<b>Hazardous Decomposition Products</b>	Carbon Monoxide and Carbon Dioxide

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation    Skin contact    Eye contact    Ingestion

### General:

In the present form the material is non-toxic. Normal handling should not cause either acute or chronic health effects.

### Skin/Eye

Eye or skin contact with material may cause local irritation due to the mechanical abrasion but would not cause tissue damage.

### Inhalation:

Any airborne dust may be irritating to the nose, throat and respiratory passages. Except under the most extreme conditions of overexposure, the product is unlikely to represent a potential health risk.

### Ingestion:

The materials in the matting have no oral toxicity

### Chronic

No chronic health effects have been identified from the inhalation or ingestion of the material

## **SECTION 12. ECOLOGICAL INFORMATION**

All materials in this product are chemically stable, and therefore relatively inert to the environment.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

If the material cannot be returned to process or salvage, dispose of in accordance with applicable regulations

## **SECTION 14. TRANSPORT INFORMATION**

No special treatment or consideration required.

## **SECTION 15. REGULATORY INFORMATION**

This product is currently unlisted in any domestic or international substance lists.

## **SECTION 16. OTHER INFORMATION**

Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration, and investigation. BioComposites Group extends no warranty and assumes no responsibility for the accuracy of the content and expressly disclaims all liability for reliance thereon. This safety data sheet provides guidelines for the safe handling and processing of this product; it does not and cannot advise on all possible situations.

Therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.

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Revision**                      August 2019