

SECTION 1 – PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **NForce-Fiber®**

MANUFACTURER: **Canadian Greenfield Technologies Corporation**
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SECTION 2 – COMPOSITION AND INGREDIENT INFORMATION

| COMPONENT | % BY WEIGHT | EXPOSURE LIMITS | CANCER DESIGNATION |
|--------------------|-------------------|-----------------|--------------------|
| Cellulosic Fiber | Not less than 50% | None | None |
| Organic Modifier | Not more than 50% | None | None |
| Inorganic Modifier | Not more than 50% | None | None |

SECTION 3 – HAZARDOUS IDENTIFICATION

Emergency Overview: A black fiber 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 4 – FIRST AID MEASURES

Eye Contact: Flush with warm, running water, including under the eyelids, to remove dust particles(s). Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and warm water. Seek medical attention if irritation persists.

Inhalation: Remove person from exposure area to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention if irritation persists.

Ingestion: 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

Fire and Explosion Hazards: This product is not considered an explosion hazard. If fire occurs, extinguish.

Extinguishing Media: Use any means of extinction appropriate, such as water, carbon dioxide, dry chemical, or foam.

Fire Fighting: 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.

Flashpoint and Method: Will ignite through external ignition.

Auto-Ignition Temperature: >230°C (450°F) in dry air

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Procedures for Cleanup: Clean up spill using precautions in Section 8, taking care to minimize the spread of fibers and generation of dust (e.g. vacuum, broom, shovel, etc.). Return uncontaminated spilled material to the process if possible. Dispose of all waste material in refuse containers in accordance with all local, regional, and national requirements.

Personal Precautions: Persons responding to an accidental release should wear personal protective clothing (i.e. lab coat, gloves, and dust mask) (see also Section 8). Close-fitting safety goggles may be necessary in some circumstances to prevent eye contact with dust.

Environmental Precautions: Care should be taken to prevent disposal or spillage of product into aquatic and terrestrial environments. Recover and dispose of all spilled material.

SECTION 7 – HANDLING AND STORAGE

Material should be handled in packaged form. Store product in a clean and dry area.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Clothing: 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 under conditions where dust is generated.

Ventilation: Use adequate ventilation to reduce dust concentration in work environment.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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|--|---------------------------------|--|---------------------------------------|
| Appearance: Black fibers | Odour: Odourless | Physical State: Solid | pH: N/A |
| Vapour Pressure: N/A | Vapour Density: N/A | Boiling Point: N/A | Freezing/Melting Point: N/A |
| Specific Gravity: Approximately 1.4g/cm ³ | Evaporation Rate: N/A | Solubility/Dispersibility in Water: Insoluble, Dispersible | |

SECTION 10 – STABILITY AND REACTIVITY

Stability and Reactivity: This material is stable and non-reactive under normal temperatures and pressures.

Incompatibilities: Strong oxidizers

Hazardous Decomposition Products: carbon monoxide (CO), carbon dioxide (CO₂)

SECTION 11 – TOXICOLOGICAL INFORMATION

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 constituents of NForce-Fibre® 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 the product are chemically stable, and therefore relatively inert to the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

SECTION 14 – TRANSPORT INFORMATION

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| PROPER SHIPPING NAME | N/A |
| TRANSPORT CANADA CLASSIFICATION | N/A |
| US DOT HAZARD CLASSIFICATION | N/A |
| TRANSPORT CANADA PRODUCT IDENTIFICATION NUMBER | N/A |
| US DOT PRODUCT IDENTIFICATION NUMBER | N/A |
| MARINE POLLUTANT | No |
| IMO CLASSIFICATION | N/A |

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. Canadian Greenfield Technologies Corporation 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.