

Biotex Flax

Material Safety Data Sheet (MSDS)

March 2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Biotex Flax (yarn or fabric)
Revision date: March 2012
Company name: Composites Evolution Ltd
Address: 4A Broom Business Park, Bridge Way, Chesterfield, S41 9QG, UK
Telephone: +44 (0)1246 266248

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the substance: Flax/cellulose fibre/yarn/fabric

| Ingredients | CAS # | Concentration |
|---------------------------|-----------|---------------|
| Flax natural fibre | N/A | 80-95% |
| Cellulosic man-made fibre | 9004-34-6 | 5-20% |

3. HAZARDS IDENTIFICATION

Overview:

This product is not classified as hazardous. Fibre dust and fibre fly may represent a fire hazard at sufficient concentrations. Prolonged exposure to fibres and fibre dust may cause irritation of skin and/or respiratory tract.

Potential health effects:

Eyes: Fibres and dusts may be mechanically irritating when in contact with eyes.
Skin: Prolonged exposure to fibres and dusts may be mechanically irritating to skin.
Inhalation: Excessive exposure to airborne fibres and fibre dusts may cause irritation of respiratory tract.
Ingestion: Not a likely route of entry.

4. FIRST AID MEASURES

Eye contact: Flush eyes immediately with water for at least 15 minutes. If eye irritation persists seek medical attention.
Skin contact: Wash skin with soap and water. If skin irritation persists seek medical attention.
Inhalation: Move to fresh air. If symptoms persist, seek medical attention.
Ingestion: If swallowed do not induce vomiting. Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

Material is combustible.



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| Suitable extinguishing media: | Water, carbon dioxide (CO ₂), foam and dry chemical. |
| Unsuitable extinguishing media: | None known. |
| Special hazards: | Fibre dust and fibre fly may represent a fire hazard at sufficient concentrations. Remove ignition sources and beware of electrostatic charges. |
| Protection of firefighters: | Firefighters should wear full protective clothing including self-contained breathing apparatus. |
| Hazardous decomposition products: | Combustion gases include carbon dioxide and carbon monoxide. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions: | Ensure adequate ventilation. Wear personal protective equipment. |
| Environmental precautions: | No special environmental precautions required. |
| Methods for cleaning up: | Sweep/gather up in a manner that avoid creating excessive dust. Arrange for appropriate disposal. |

7. HANDLING AND STORAGE

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| Handling: | Wear personal protective equipment. Use good housekeeping to keep dust/contamination to a minimum. |
| Storage: | Store in clean, cool, dry conditions, away from direct sunlight. Keep away from sources of ignition. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

No specific workplace exposure limits. Adhere to local limits for nuisance dust.

Engineering controls:

Ensure adequate ventilation. Use local exhaust ventilation to minimise exposure to dust.

Personal protective equipment:

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| Eye protection: | Wear safety glasses with side shields. |
| Skin protection: | Wear gloves and suitable protective clothing. |
| Respiratory protection: | Use approved dust mask where necessary. |

Environmental exposure controls:

No specific environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|-------------------|---|
| Form/appearance: | Yarn or fabric |
| Colour: | Typically light brown, but can be dyed different colours depending on specification |
| Odour: | Slight |
| Odour threshold: | Not determined |
| pH: | Not applicable |
| Flammability: | Material is combustible, no data available |
| Melting point: | Not applicable (does not melt) |
| Flash point: | Not applicable |
| Specific gravity: | 1.5g/cm ³ |



Water solubility: Insoluble
VOC (weight %): Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Thermal decomposition >175°C.
Conditions to avoid: Exposure to flames/sparks. Prolonged exposure to temperatures >175°C.
Substances to avoid: Strong alkalis or acids. Strong oxidising materials.
Hazardous decomposition products: Carbon dioxide, carbon monoxide, organic compounds.

11. TOXICOLOGICAL INFORMATION

No known toxicological effects.

12. ECOLOGICAL INFORMATION

Ecologically safe. Completely biodegradable.

13. DISPOSAL CONSIDERATIONS

Non-hazardous solid waste. Dispose of in accordance with all applicable regulations. Preferred options for disposal are (i) recycling, (ii) biodegrading/composting, (iii) incineration with energy recovery and (iv) landfill.

14. TRANSPORT INFORMATION

Not classified as dangerous goods.

15. REGULATORY INFORMATION

Not a hazardous product as defined by national and international regulations/provisions.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

