

**Materials Safety Data Sheet**

EnviroSystems (UK) Ltd

EnviroBed (2024)

Version: 02

Revision Date: 01-08-2024

**EnviroSystems®**  
Innovating for Agriculture

According to EC-Regulation 1907/2006 (REACH) 1272/2008 (CLP) and 830/2015.

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY****1.1 Product Identifier:**

Product Name EnviroBed  
EnviroBed Premium

**EnviroBed®****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Use: Industrial use in agriculture as a bedding material.  
Uses Advised Against: Not intended for consumption or use on humans.

**1.3 Details of the supplier of the safety data sheet**

Supplier: EnviroSystems (UK) Ltd  
Foggs Farm  
Hobbs Lane  
Claughton-On-Brock  
Preston  
PR3 0QN

**1.4 Emergency Telephone Number**

Emergency Phone Number: +44 1772 860085 (EnviroSystems Monday – Friday)

**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification according to (EC 1272/2008) and 830/2015.

Physical hazards: Not Specified

Health hazards:	H334	May cause asthma or breathing difficulties if inhaled
	H335 (3)	May cause respiratory irritation
	H373 (2)	May cause damage to lungs through prolonged exposure
	H319 (2B)	May cause eye irritation

Environmental hazards: Not Classified

**2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008



Hazard Pictogram:

Signal Words:

Warning

Hazard Statement:

May cause respiratory irritation

May cause damage to lungs through prolonged exposure

Precautionary Statement:	P260 Do not breathe dust P285 Wear respiratory protection
P304+P340+P342+P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms call a doctor immediately.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor Immediately.

### 2.3. Other Hazards

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemicals which contribute to the mixture classification

Product name	Identification number	Classification	Concentration (%)
Recycled Paper Pulp	N/A	Unknown (see below)	70-100%
Sawdust (Virgin softwood)	N/A	H228 Flammable H302 Harmful if swallowed H335 May cause respiratory Irritation H316 Causes mild skin irritation	0-30%

*Recycled paper pulp is expected to contain the following materials*

Chemical name	Identification number	Classification	Concentration (%)
Cellulose	CAS 65996-61-4	Not Hazardous	60-90%
Calcium Carbonate	CAS 471-34-1	Not Hazardous	2-31%
Water	CAS 7732-18-5	Not Hazardous	4-10%
Starch	CAS 9005-25-8	Not Hazardous	0-5%
Kaolin	CAS 1332-58-7	H315 Skin Irritant (2) H319 Eye Irritant (2) H372 STOR Lungs Inhalation	0-18%

## SECTION 4. FIRST-AID MEASURES

### 4.1. Description of first aid measures

**General information:** When symptoms persist or in all cases of doubt seek medical advice.

<b>Eye Contact:</b>	Do not rub eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor if symptoms persist.
<b>Inhalation:</b>	Remove person to fresh air and keep them comfortable for breathing. Call a doctor if symptoms persist.
<b>Ingestion:</b>	Rinse mouth, DO NOT induce vomiting. Seek medical attention immediately if symptoms persist.
<b>Skin Contact:</b>	No adverse health effects expected

**4.2. Most important symptoms and effects, both acute and delayed:**

Eye contact: Burning sensation, redness, pain.  
Inhalation: Coughing, sore throat, shortness of breath

**4.3. Indication of any immediate medical attention and special treatment needed:**

Notes for the doctor: Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES****5.1. Extinguishing media:**

Suitable extinguishing media: Water, foam, carbon dioxide, dry powder or water fog.  
Unsuitable extinguishing media: None

**5.2. Special hazards arising from the substance or mixture:**

Specific hazards: No information available.  
Hazardous combustion products: No information available.

**5.3. Advice for firefighters**

Once fire is extinguished, spread out any remaining material to prevent reignition through pile self-heating.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment, and emergency procedures:**

Personal precautions: Avoid contact with eyes and inhalation.

**6.2. Environmental precautions**

Environmental precautions: Avoid excessive release into the environment to prevent blocking of drainage channels.

**6.3. Methods and material for containment and cleaning up**

Methods for cleaning up: Collect via sweeping or vacuum and avoid excessive dust generation.

**6.4. Reference to other sections**

Reference to other sections: Section 8, 11 and 13

**SECTION 7. HANDLING AND STORAGE****7.1. Precautions for safe handling**

Usage precautions: Avoid excessive dust generation

Advice on general occupational hygiene: Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage precautions: Store in a dry, cool place away from heat sources  
Storage Temperature: 0-30°C  
Storage Life: Stable under normal conditions.  
Incompatible materials: None known

**7.3. Specific end use(s)**

Specific end use(s): Section 1.2 Industrial use in agriculture as dairy bedding material

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1. Control parameters**

Occupational exposure limits: Follow standard guidance on dust exposure limits  
DUST: TWA 4mg/m<sup>3</sup> (resirable) and 10mg/m<sup>3</sup> inhalable over 8 hours

Biological limit values: No information available.

**8.2. Exposure controls/personal protection**

**Engineering controls:** Ensure adequate ventilation. Provide a source of clean water for flushing eyes and skin.

**Personal protection:**

Eye/face protection: Tight-fitting safety glasses.  
Hand protection: Protective nitrile gloves may be used if prone to irritation.  
Other protection: Wear appropriate clothing to prevent prolonged skin contact.

**Respiratory protection:** Wear properly fitted respiratory protection equipment  
Minimum level DIN EN 143

**Hygiene measures:** Wash hands after contact.

**Thermal hazards:** Monitor for pile self heating.

**Environmental exposure controls:** Avoid excessive release to the environment.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance: Fibrous crumb  
Colour: Grey  
Odour: Musky odour  
pH: 7.4  
Relative density: 0.28 (EnviroBed Premium) - 0.35 (EnviroBed) kg/m<sup>3</sup>

**9.2. Other information:** No other information available

**SECTION 10. STABILITY AND REACTIVITY**

**10.1 Reactivity:** No anticipated reactivity hazards associated with this product

**10.2 Chemical stability:** Stable under recommended storage conditions usage.

**10.3 Possibility of hazardous reactions:** No information available

**10.4 Conditions to avoid:** Temperatures above 30°C

**10.5 Incompatible materials:** No information available

**10.6 Hazardous decomposition products:** No information available

**10.7 Hazardous polymerization:** No information available

**SECTION 11. TOXICOLOGY INFORMATION****11.1. Information on toxicological effects**

The information in this Safety Data Sheet is based on data available to us from suppliers and is believed to be correct. However, the data is provided without warranty, express or implied, regarding its correctness or accuracy or results obtained from the use of this product. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product. EnviroSystems (UK) Ltd, its employee and distributors assume no responsibility for injury or damage from the use of this product.

Toxicological effects:	No information available.
Other health effects:	Eye and skin irritant.
Routes of Exposure	Inhalation / Skin / Eyes / Ingestion
General Comments:	Dusts generated from drying, blending or movement of the product may cause respiratory irritation, nasal dryness and irritation, coughing and sinusitis
<b>Acute toxicity – oral:</b>	No information available.
<b>Acute toxicity - dermal</b>	No information available.
<b>Acute toxicity – inhalation</b>	No information available.
<b>Skin corrosion/irritation:</b>	No information available.
<b>Serious eye damage/irritation:</b>	No information available.
<b>Respiratory sensitisation:</b>	No information available.
<b>Skin sensitisation:</b>	No information available.
<b>Germ cell mutagenicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.
<b>Specific target organ toxicity - single exposure:</b>	No information available.
<b>Specific target organ toxicity - repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.
<b>Inhalation:</b>	No information available.
<b>Ingestion:</b>	No information available.
<b>Skin contact:</b>	No information available.
<b>Eye contact:</b>	No information available.
<b>Acute and chronic health hazards:</b>	No information available.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Based on available date, the classification criteria are not met for this product to be classed as environmentally toxic.

### 12.1. Toxicity

Cellulose	No information available.
Calcium Carbonate	Algae ErC50 14 mg/L (72h) Daphnia >100 mg/L (48h)
Kaolin	Fish LC50 >100g/L (96h) No information available

### 12.2. Persistence and degradability:

The methods for determining biodegradability are not applicable to inorganic substances, including some of the components of the recycled paper pulp.

### 12.3. Bioaccumulative potential:

No information available for the product  
Bioaccumulation is unlikely

### 12.4. Mobility in soil:

No information available

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

N/A

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods:**

This product is not classified as hazardous. Dispose of in accordance with local regulations.

**SECTION 14. TRANSPORT INFORMATION**

According to: ADR, RID, ADN, IMDG, IATA/ICAO.

<b>14.1. UN number:</b>	Not applicable.
<b>14.2. UN proper shipping name:</b>	Not applicable.
<b>14.3. Transport hazard class(es):</b>	Not applicable.
<b>14.4. Packing group:</b>	Not applicable.
<b>14.5. Environmental hazards:</b>	Not applicable.
<b>14.6. Special precautions for user:</b>	Not applicable.
<b>14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:</b>	Not applicable.

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations specific for the substance or mixture****15.1.1 EU regulations Authorisations and/or Restrictions On Use:**

U8 Environment Agency Waste Exemption Licence (030305 / 030310 / 030311 / 030105 / 191207)

**5.2 Chemical Safety Assessment:** Not Required (REACH)

**SECTION 16. OTHER INFORMATION**

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.C

**Abbreviations and acronyms used in the safety data sheet:**

ECHA:	European Chemicals Agency
ATE:	Acute Toxicity Estimate
CLP:	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
LC50:	Lethal Concentration to 50 % of a test population
LD50:	Lethal Dose to 50% of a test population (Median Lethal Dose)
SDS:	Safety Data Sheet
PBT:	Persistent, Bioaccumulative and Toxic substance
PPE:	Personal Protection Equipment
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation
STOT:	Specific Target Organ Toxicity
STOT (RE):	Repeated Exposure
STOT (SE):	Single Exposure
vPvB:	Very Persistent and Very Bioaccumulative