

EnviroSystems (UK) Ltd
EnviroBed (2024)
Version: 02
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EnviroSystems®
Innovating for Agriculture

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name	EnviroBed EnviroBed Premium
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EnviroBed®

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

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

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

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

Labelling according to Regulation (EC) No 1272/2008)



May cause damage to lungs through prolonged exposure

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.

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.

Eye Contact:	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.
Inhalation:	Remove person to fresh air and keep them comfortable for breathing. Call a doctor if symptoms persist.
Ingestion:	Rinse mouth, DO NOT induce vomiting. Seek medical attention immediately if symptoms persist.
Skin Contact:	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/m³ (resirable) and 10mg/m³ 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 ³

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**

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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

Acute toxicity – oral: No information available.

Acute toxicity - dermal No information available.

Acute toxicity – inhalation No information available.

Skin corrosion/irritation: No information available.

Serious eye damage/irritation: No information available.

Respiratory sensitisation: No information available.

Skin sensitisation: No information available.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

Specific target organ toxicity - single exposure: No information available.

Specific target organ toxicity - repeated exposure: No information available.

Aspiration hazard: No information available.

Inhalation: No information available.

Ingestion: No information available.

Skin contact: No information available.

Eye contact: No information available.

Acute and chronic health hazards: No information available.

SECTION 12. ECOLOGICAL INFORMATION

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

12.1. Toxicity

Cellulose Toxicity of components parts of paper pulp are listed

Calcium Carbonate No information available.

Algae ErC50 14 mg/L (72h) Fish LC50 >100g/L (96h)

Daphnia >100 mg/L (48h)

Kaolin 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.

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