

APPENDIX D MATERIAL SAFETY DATA SHEET

HEPBURN BIO ET

PACK CODE HBC1-010

COMPILED 2 March 2004

AMENDED 2 August 2005

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1 IDENTIFICATION OF PREPARATION AND COMPANY

TRADE NAME	Hepburn Bio ET
PRODUCT TYPE	Preparation
USAGE	BIO ET for the bio-degradation and deodorisation of sewage, septic tanks and grease traps.
MANUFACTURER/SUPPLIER	Hepburn Bio Care UK Ltd Unit F1, 10 th Avenue Deeside Industrial Park Deeside, CH5 2UA, UK.
TELEPHONE	+44 (0) 1244 280 775
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2 COMPOSITION / INFORMATION ON INGREDIENTS

A blend of natural saprophytic micro-organisms (Bacillus sp) and preservatives.

3 HAZARDS IDENTIFICATION

NON HAZARDOUS

4 FIRST AID MEASURES

INHALATION	Remove to fresh air, rest and give plenty of water to drink. If symptoms persist seek medical advice.
SKIN	Non hazardous preparation, however wash with soap and water. Seek medical advice if effects persist.
EYE	Wash with plenty of water (for at least 15 minutes). If effects persist seek medical advice.
INGESTION	Rinse product from mouth. Do not induce vomiting. Give plenty of water to drink if subject is conscious. Seek medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE	Water mist, foam, CO ² , dry chemicals, sand.
NOT SUITABLE	Water jet.
EXPOSURE HAZARDS	The product does not support combustion. In case of fire, do not breathe fumes.
HAZARDOUS DECOMPOSITION	Not known.
FIRE-FIGHTING PPE	Fire fighters require the necessary personal protective equipment, including self contained breathing apparatus.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL	Wear suitable protective safety goggles if required. See SECTION 8 for details.
ENVIRONMENTAL	Prevent large spills (over 25Litres) from entering local watercourses. (See also section 13).
CLEANING UP	Absorb onto inert material such as sand or earth. Collect into suitable containers. Wash the spill area with water and send to drain.

7 HANDLING & STORAGE

HANDLING	Avoid contact with skin and eyes. Do not ingest.
STORAGE	Avoid extremes of temperature. Avoid contact with acids/alkalis and strong oxidising agents.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

No exposure limits have been established for the product.

RESPIRATORY	None required.
EYE PROTECTION	Non-hazardous product, however, users may wear splash proof eye goggles when handling undiluted product to prevent any eye contact.
HAND/SKIN PROTECTION	Non-hazardous product, however, users may wear water-proof gloves when handling undiluted product to prevent any contact.
HYGIENIC WORK ROUTINES	Wash at the end of each shift, before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / COLOUR	Colourless liquid
pH VALUE (100%)	pH 4.8 (+/- 0.5)
ODOUR	N/A
BOILING PT. (°C)	100°C
MELTING PT. (°C)	N/A
DENSITY	1.06g/cm ³

10 STABILITY AND REACTIVITY

STABILITY	Stable under recommended storage and handling conditions (see Section 7).
CONDITIONS TO AVOID	Excesses of heat or cold.
MATERIALS TO AVOID	No data.
HAZARDOUS DECOMPOSITION	No data.

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11 TOXICOLOGICAL INFORMATION

No toxicological limits have been established for the product.

ACUTE TOXICITY	This product is not expected to be harmful to skin.
CORROSIVITY/IRRITATION	This product may be harmful if ingested.
SENSITISATION	This product is not expected to be hazardous by inhalation.
OTHER INFORMATION	The micro-organisms belong to hazard class 1, defined by the Advisory Committee on Dangerous Pathogens (ACDP) as unlikely to cause human disease. There is no data available for Repeated Dose Toxicity, Mutagenicity, Carcinogenicity or Reproductive Toxicity.

12 ECOLOGICAL INFORMATION

No ecological limits have been established for the product.

BIO-ACCUMULATIVE POTENTIAL	Completely water-soluble and bio-degradable. Bio-accumulation is not expected.
OTHER ADVERSE EFFECTS	At levels found in effluent, the product should have no adverse effect whatsoever on biological treatment plants.

13 DISPOSAL CONSIDERATIONS

PRODUCT	Dispose of spillages in suitable containers, according to local, regional and national regulations.
PACKAGING	Dispose of empty containers according to local, regional and national regulations.

14 TRANSPORT INFORMATION

NOT HAZARDOUS FOR TRANSPORT

15 REGULATORY INFORMATION

EEC CLASSIFICATION	NOT CLASSIFIED AS HAZARDOUS
RISK PHRASES	None required.
SAFETY PHRASES	None required.

16 OTHER INFORMATION

The information given in this data sheet has been compiled using information from the Approved Code of Practice for the compilation of data sheets, Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

This information is accurate according to the best knowledge of the company. Hepburn Bio Care UK Ltd does not accept any liability whatsoever arising out of the use of the information, or any use,

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application, adaptation or processing of the product described therein. Contact supplier for further information.