

1. IDENTIFICATION OF THE SUBSTANCE/PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1	Identification of the Substance or Preparation:	SEPTONIC
1.2	Intended use of the Substance/Preparation:	Dry preparation containing naturally occurring enzyme cultures used in the treatment of waste & wastewater.
1.3	Company/Undertaking Identification:	AHT Field & Co Ltd / septonic@shaw.ca
1.4	Emergency Telephone Number:	604 474-0113 N. America

2. COMPOSITION/INFORMATION ON INGREDIENTS

Dry preparation containing a consortium of Class 1 micro-organisms (see Section 16), and a natural carrier. No ingredient or substance carries any Risk Phrase for the purpose of classification.

3. HAZARDS IDENTIFICATION

Most Important Hazards: The preparation is not classified as dangerous according to the criteria laid down in EU Council Directive 1999/45/EEC

Most Important Adverse Human Health Effects: None identified

4. FIRST-AID MEASURES

Exposure by Inhalation: Remove victim to fresh air. Seek medical attention if symptoms occur.

Exposure by skin and eye contact: Skin: Immediately wash affected area thoroughly with water. Seek medical attention if irritation develops. Organisms used are non pathogenic but open wounds should be covered.

Eyes: Immediately flush eyes with plenty of water. Seek medical attention if irritation develops.

Exposure by Ingestion: Drink fluids to dilute. Seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, Foam, dry chemical or carbon dioxide extinguishers may be used.

Extinguishing Media not to be used: None

Specific Exposure Hazards: If the substance is involved in a fire, oxides of carbon and nitrogen may be evolved.

Protective Equipment for Firefighters: Full protective clothing and self-contained breathing apparatus should be worn.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel from immediate vicinity. Wear eye protection (e.g. goggles), chemical resistant gloves, protective clothing (e.g. an impervious apron) and a vapour mask conforming to standard EN405 FFA1. Refer to section 8.

Environmental Precautions: None.

Methods for Cleaning Up: Stop the spillage or release at source and contain. Small spillages on floors can be flushed to drain. Clean the spillage area with water and detergent. Small releases will not pose any hazard to the local environment.

7. HANDLING AND STORAGE

7.1 Handling:

Precautions: The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure.

Technical Measures: The use of gloves will reduce exposure to the preparation.

Specific Requirements: None.

7.2 Storage:

Specific Design for Storage Rooms or Vessels: None

Incompatible Materials: Strong acids, strong alkali and reducing agents. Do not store in metallic containers

Conditions of Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Avoid freezing temperatures. Avoid temperatures above 45 °C to preserve biological stability

Quantity Limits: None

Packaging Materials: Packaging should be kept dry

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: LEV is recommended to reduce exposure to the preparation

Specific Control Parameters: None

Personal Protective Equipment: The provision of personal protective equipment and the need to provide engineering control measures should be decided upon by the user as part of a formal exposure risk assessment. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.

Respiratory Protection: No special ventilation is usually necessary. However if operating conditions create high airborne concentrations of this material, based upon available information and in the absence of occupational exposure limits the use of a dust mask to a minimum standard of EN405 FFA1 is recommended.

Hand Protection: Avoid prolonged or frequent repeated skin contact especially with broken skin. Chemical protective gloves to a Standard EN374 should be provided. Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the glove.

Eye Protection:	Care should be used to prevent eye exposure and ideally eye protection should be used when handling the preparation. The protection should be capable of giving chemical protection as classified in BS2092 or EN166.
Skin Protection:	No special clothing or equipment is usually necessary. Avoid contact with broken skin. However prolonged/frequent direct handling of the material should be minimised by wearing chemical protective clothing suitable for protection against the chemical as classified by Standard EN368.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blackish/tan, free-flowing powder
Odour:	earthy cereal smell
pH:	7.0 +/- 0.2
Boiling Point/Boiling Range:	Not applicable
Melting Point/Melting Range:	Not applicable
Flash Point:	Not determined
Flammability (Solid, Gas):	Not applicable
Autoflammability:	Not applicable
Explosive Properties:	Predicted not explosive based on chemical structure.
Oxidising Properties:	Not determined
Vapour Pressure:	Not applicable
Bulk Density:	0.5-0.7 g/cm ³
Solubility - Water solubility:	Dispersible
- Fat solubility:	Not determined
Partition coefficient n-octanol/water:	Not determined
Other Data:	None available

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Excessive temperature variations, below 0°C or above 45 °C
Materials to Avoid:	Strong acids or alkali and strong oxidising agents.
Hazardous Decomposition Products:	None anticipated

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxic effects

11.1.1	Ingestion, LD50 Rat oral (mg/kg):	Not determined
11.1.2	Inhalation, LC50 Rat inhalation (mg/l/4h):	Not determined
11.1.3	Skin, LD50 Rat dermal (mg/kg)	Not determined
11.1.4	Eye irritation	Not determined

11.2 Chronic toxic effects

11.2.1	Sensitisation	May occur in susceptible individuals / asmatics
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Prolonged or repeated contact may cause irritation. Contact with eyes could cause slight irritation.

The product is formulated using a range of Class 1 micro-organisms specially selected from the natural environment and that are known to be non-pathogenic to humans, animals or plants. It is advised to cover open wounds when in use.

12. ECOLOGICAL INFORMATION

Mobility:	This preparation has highly dispersible in water. Therefore it is likely to distribute predominantly to the aqueous environment.
Biodegradability:	The preparation is expected to biodegrade rapidly. However no information on anaerobic biodegradation is available.
Accumulation:	Not anticipated to bioaccumulate and hence biomagnification is not likely.
Ecotoxicity:	The preparation is not anticipated to pose any environmental hazard. No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.
Other adverse effects:	There is no ozone depletion, photochemical ozone creation or global warming potential. Positive effects in a sewage treatment plant are anticipated.

13. DISPOSAL CONSIDERATIONS

Waste from Residues:	Dispose of by incineration, landfill or to drain in accordance with local regulations.
Contaminated Packaging:	Dispose of by incineration or landfill in accordance with local regulations. Empty packaging can be recycled.

14. TRANSPORT INFORMATION

International Regulations	Land:	Not applicable.
	Inland waterways:	Not applicable.
	Sea:	Not applicable.
	Air:	Not applicable.
UN classification number:	None	
Local Regulations:	Any relevant local regulations concerning transport should be observed.	

15. REGULATORY INFORMATION

2017/01/01

EC Regulations:

The preparation is not classified as "dangerous" and therefore no labels according to the requirements of Annex VI of EU Council Directive 67/548/EEC and EU Council Directive 1999/45/EEC are necessary.

The preparation is not deemed 'hazardous' according to the requirements of Council Directive 2000/54/EEC

Symbols: None
R-phrases: None
S-phrases: None

Use of this preparation is described by Council Directive 2000/54/EC and no special precautions are necessary.

Local Regulations: Any relevant local regulations should be observed.

16. OTHER INFORMATION

Safety/Classification: <http://biosafety.ihe.be/RA/Class/ClassMain.html>
http://www.baua.de/prax/abas/trba_466.pdf

Occupational Exposure: http://europa.eu.int/eur-lex/pri/en/oj/dat/2000/l_262/l_26220001017en00210045.pdf

LEV: Local Exhaust Ventilation

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