



# SAFETY DATA SHEET


## Microzyme Sewage

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Identification of the substance or mixture

**Product name** : Microzyme Sewage  
**Product type** : Liquid.  
**Use of the substance/mixture** : Cleaning agent

#### Company/undertaking identification

**Distributor** :  Vecom  
Mozartlaan 3  
NL-3144 NA Maassluis  
The Netherlands  
Tel.: +31(0)10-5930299  
Fax: +31(0)10-5930225

Vecom NV/SA  
Ter Stratenweg 7 B  
B-2520 Ranst - Oelegem  
België

[www.vecom-group.com](http://www.vecom-group.com)

**e-mail address of person responsible for this SDS** : [m.waanders@vecom.nl](mailto:m.waanders@vecom.nl)

**Emergency telephone number (with hours of operation)** : In case of emergency please contact the Dutch National Poison Control, telephone number: 31-(0)30-2748888. (This number is only accessible to the physician treating the patient and only in case of accidental poisoning)

### 2. HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

See Section 11 for more detailed information on health effects and symptoms.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation** : Preparation

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4. FIRST AID MEASURES

#### First-aid measures

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See Section 11 for more detailed information on health effects and symptoms.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

**Suitable** : Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** : None known.

**Special exposure hazards** : In a fire or if heated, a pressure increase will occur and the container may burst.  
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products** : No specific data.

## 5. FIRE-FIGHTING MEASURES

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods for cleaning up

- Small spill** :  Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
- Large spill** :  Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

## 7. HANDLING AND STORAGE

**Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Packaging materials

**Recommended** : Use original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
No exposure limit value known.	

**Recommended monitoring procedures** : Not applicable

### Exposure controls

**Occupational exposure controls** : No special ventilation requirements.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hand protection** :  Wearing chemical-resistant gloves is not necessary. For prolonged or repeated handling, use gloves (EN374)

**Eye protection** :  EN 166) Wear safety glasses for protection against liquid splashes.

**Skin protection** :  special protective clothing is required.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

#### Appearance

Physical state	: Liquid.
Colour	: White.
Odour	: Sweetish.

### Important health, safety and environmental information

pH	: 5,5 to 8,5
Boiling point	: 101°C (213,8°F)
Melting point	: -1°C (30,2°F)
Flash point	: Closed cup: Not applicable.
Vapour pressure	: 2,3 kPa (17,25 mm Hg)
Density	: 1,01 g/cm <sup>3</sup> [20°C (68°F)]
Solubility	: Easily soluble in the following materials: cold water and hot water.
Viscosity	: Dynamic: 1 mPa·s (1 cP)
Auto-ignition temperature	: Not applicable.
Acid/alkali reserve	:
(g NaOH(equivalent)/100 g)	

## 10. STABILITY AND REACTIVITY

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions to avoid	: No specific data.
Materials to avoid	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Eye contact	: No known significant effects or critical hazards.

#### Acute toxicity

Conclusion/Summary	: Not available.
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### Potential chronic health effects

#### Chronic toxicity

Conclusion/Summary	: Not available.
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#### Irritation/Corrosion

Conclusion/Summary	: Not available.
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#### Sensitiser

Conclusion/Summary	: Not available.
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#### Carcinogenicity

Conclusion/Summary	: Not available.
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#### Mutagenicity

Conclusion/Summary	: Not available.
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#### Teratogenicity

Conclusion/Summary	: Not available.
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#### Reproductive toxicity

Conclusion/Summary	: Not available.
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Chronic effects	: No known significant effects or critical hazards.
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Carcinogenicity	: No known significant effects or critical hazards.
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Mutagenicity	: No known significant effects or critical hazards.
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Teratogenicity	: No known significant effects or critical hazards.
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Developmental effects	: No known significant effects or critical hazards.
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Fertility effects	: No known significant effects or critical hazards.
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### Over-exposure signs/symptoms

**11. TOXICOLOGICAL INFORMATION**

**Inhalation** : No specific data.  
**Ingestion** : No specific data.  
**Skin** : No specific data.  
**Eyes** : No specific data.

**12. ECOLOGICAL INFORMATION**

**Environmental effects** : No known significant effects or critical hazards.

**Aquatic ecotoxicity**

**Conclusion/Summary** : Not available.

**Other ecological information****Biodegradability**

**Conclusion/Summary** : Not available.

**Bioaccumulative potential**

<u>Product/ingredient name</u>	<u>LogP<sub>ow</sub></u>	<u>BCF</u>	<u>Potential</u>
Microzyme Sewage		-	low

**Other adverse effects** : No known significant effects or critical hazards.

**13. DISPOSAL CONSIDERATIONS**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

**14. TRANSPORT INFORMATION****International transport regulations**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID Class	Not regulated.		-	-		-
ADN/ADNR Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA Class	Not regulated.	-	-	-		-

PG\* : Packing group

**15. REGULATORY INFORMATION****EU regulations**

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

**Risk phrases** : This product is not classified according to EU legislation.

**Product use** : Industrial applications.

**Europe inventory** : **Europe inventory:** Not determined.  
 No Chemical Safety Assessment has been done

**16. OTHER INFORMATION****History**

**Date of printing** : 15-1-2012.  
**Date of issue/Date of revision** : 13-1-2012.  
**Date of previous issue** : 21-9-2011.  
**Version** : 3  
**Prepared by** : Ing. W.M. Waanders Kuilder

**Date of issue/Date of revision** : 13-1-2012.

## 16. OTHER INFORMATION

✔ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.