

SAFETY DATA SHEET

Enzyfloor

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name: Enzyfloor
Use: Enzyme based preparations used in the cleaning of floors.
Company: e-hygiene system ltd.
Telephone: 01689 892522

2. INFORMATION ON INGREDIENTS

Definition Solvent and surfactant stabilised reaction mass of genetically altered *Bacillus licheniformis*, *Bacillus metallosubtilis*, and *Aspergillus niger*.
Justification Contains less than 20% Hazardous and Irritant materials so non-hazardous.

<u>Substance name</u>		<u>Registry No.</u>	<u>Classification</u>
Naturally derived metalloendopeptidase, carboxylic ester hydrolases and glycosidases	<15%	EC 3.1.1, EC 3.2.1, EC 3.4.21, EC 3.4.24	
Amphoteric surfactant AM432	<10%	CAS# 141464-42-8	Non-Hazardous
Co-solvent B233	<10%	EC 212-856-1	Xi: R37/38

3. HAZARDS IDENTIFICATION

Classified as Non-Hazardous under CHIP 3.1.

4. FIRST AID MEASURES

Skin Contact: Wash skin with plenty of water
Eye Contact: Rinse eyes with plenty of water and seek medical attention immediately.
Ingestion: Rinse mouth and throat thoroughly with water.
Inhalation: Remove from exposure.

5. FIRE-FIGHTING MEASURES

Fire & Explosion protection: No special requirements
Fire Extinguishing Media: Water, foam
Non-Suitable Media: None
Special Exposure Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Clean-up measures Spilled preparation should be removed immediately. Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter. Flush remainder carefully with plenty of water.
Precautions Wear suitable protective clothing, gloves, waterproof boots and eye/face protection. Ensure sufficient ventilation. Wash contaminated clothing.
Avoid Formation of dust from dried preparation, splashing and high-pressure washing (avoid formation of aerosols).

7. HANDLING AND STORAGE

Handling Apply good manufacturing practice and industrial hygiene. DO NOT eat, drink or smoke whilst handling. Wear eye protection and gloves.
Avoid The formation of aerosols and dust from drying out of spilled preparation. Avoid splashing and high-pressure washing. Ensure good ventilation of the room, when

Storage handling this preparation.
Store container in a cool place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection: Respirator with P3 filter
Hand protection: Impermeable gloves
Eye Protection: Protective glasses or eye shield
Clothing: Wear suitable protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Translucent clear
Odour, Characteristic
pH 6-9
Boiling point 100 C (approx)
Melting point 0 C (approx)
Flash point Non-flammable
Specific Gravity 1.0-1.1 g/ml
Solubility Fully miscible in water

10. STABILITY AND REACTIVITY

Stability This material is stable under normal conditions of use.
Materials to avoid: Strong acids, strong alkalis and oxidising agents.
Hazardous Decomposition None.

11. TOXICOLOGICAL INFORMATION

Route of Entry Inhalation, eye contact and skin contact.
Inhalation Inhalation of aerosols or dust resulting from inappropriate handling may induce sensitisation and may cause allergic reaction in sensitised individuals.
Irritation Prolonged skin contact can cause minor irritation. The preparation is irritating to eyes and there is a risk of serious eye damage.
Oral Toxicity Oral rat LD-50 > 2g/kg body weight so classified as "non-hazardous" by ingestion.

12. ECOLOGICAL INFORMATION

Mobility Water soluble
Eco-toxicity LC-50(fish)>100mg/l,
EC-50(daphnia) >100mg/l
IC-50(algae) >100mg/l,
Classification Non-hazardous to the environment.
Degradability Biodegradable.

13. DISPOSAL CONSIDERATIONS

Product Disposal No special disposal method required, except that in accordance with current local authority regulations.

14. TRANSPORT INFORMATION

UN No: Not applicable
Sea: Not applicable
Road/Rail: Not applicable
Air: Not applicable

15. REGULATORY INFORMATION

Labelling:	Non-Hazardous
Risk Phrases	R37/38 Irritating to respiratory system and skin.
Safety Phrases	Not applicable

16. OTHER INFORMATION

This safety data sheet was prepared in accordance with EC Directive 2001/58/EC, 67/548/EEC and 92/32/EEC as amended.

Data Sources	CHIP3 (2002) <i>Chemicals (Hazard Information and Packaging for Supply) Regulations List</i> , HMSO. [As amended] HSE (2007), <i>Approved Supply List; Information approved for the classification and labelling of substances and preparations dangerous for supply</i> , 8 th Edition, HSE Books, London. ADR (2007) <i>International Carriage of Goods by Road</i> , UN Publication.
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