



MATERIAL SAFETY DATA SHEET

MicroZyme

1. IDENTIFICATION OF THE SUBSTANCE

Commercial product name: **MicroZyme**

Description: Slurry Lagoon Treatment

Manufacturer

Micron Bio-Systems Ltd

BFF Business Park

Bath Road

Bridgwater

Somerset

TA6 4NZ

UK

Tel: 01278 427272

Emergency Tel: 07823 888132

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical characterization of active component: A blend of naturally occurring non-pathogenic bacteria and hydrolytic enzymes together with microbial stimulants.

Synonyms: Not applicable.

3. HAZARDOUS IDENTIFICATION

None. Enzymes may be irritant to skin and eyes in sensitized individuals.

This product consists of naturally occurring bacteria and enzymes on a feed material carrier.

4. FIRST AID MEASURES

Skin contact: Mild irritation to skin. However, it is recommended that prolonged contact with skin be avoided. In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and wash.

Eye contact: Product is not known to cause eye irritation. However, it is recommended that direct contact with eyes be avoided. In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.

Ingestion: Ingestion of material is not known to result in significant adverse health effects. If swallowed, rinse mouth and throat thoroughly with tap water. Drink water.

Inhalation: May cause sensitization by inhalation in hypersensitive individuals. Avoid dust generation. If inhaled remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response is exhibited.

5. FIRE FIGHTING MEASURES

Not readily combustible in solid form.

Low hazard.

Suitable fire fighting extinguishing media:

Water, Foam, Carbon dioxide, Halones.

Non-suitable media:

None.

Special exposure hazards:

None.

Protection against fire and explosions:

Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Sweep up accidental spillages by using equipment such as a vacuum cleaner to avoid generating dust, and store in closed containers prior to disposal.

7. HANDLING AND STORAGE

All materials should be handled under good housekeeping practices. Wash hands after use. Wear gloves if exposure is prolonged. Care should be taken to ensure product is not introduced to drinking water or foodstuffs. Store container in a cool and dry place.



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment: Goggles/Face shield.
Respiratory protection: Dust Respirator.
Hand protection: Gloves recommended.
Eye protection: Recommended when handling large quantities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Granular powder.
Colour: Grey/Brown.
Odour: Characteristic.
pH: 1% solution 8.4.
Solubility in water: Insoluble.
Boiling Point: Not applicable.
Melting Point: Not applicable.
Flash Point: Not applicable.
Flammability: Non flammable.
Vapour Pressure (mm Hg): Not applicable.
Specific Gravity: 0.62 – 0.76.

10. STABILITY AND REACTIVITY

The material is stable under normal conditions of use.
Conditions to avoid: Avoid formation of dust.
Materials to avoid: None.
Hazardous decomposition products: None.

11. TOXICOLOGICAL INFORMATION

Toxicity: No acute toxicity.
Pathogenicity: Component bacteria are non-pathogenic and generally regarded as safe.
Carcinogenicity: Not applicable.

12. ECOLOGICAL INFORMATION

This product is believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity.

13. DISPOSAL CONSIDERATIONS

No special method required, except that it be in accordance with current local authority regulations.

14. TRANSPORT INFORMATION

Non-hazardous powder.

15. REGULATORY INFORMATION

Preparation does not contain ingredients listed as a dangerous substance in annex 1 of the EEC directive 67/548.
Is not prohibited through any known regulatory agency.

16. OTHER INFORMATION

The information contained in this Safety Data Sheet, as of issue date, is believed to be true and correct. However, the accuracy of completeness of this information and any recommendations or suggestions, are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product.