

MATERIAL SAFETY DATA SHEET

Product name: **MICROZYME**
Last revised date: 5 December 2013
Print date: 18 December 2013

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: MICROZYME

MANUFACTURER: Germiphene Corporation
ADDRESS: 1379 Colborne Street East, Brantford, Ontario N3T 5M1, Canada
PHONE: 519-759-7100
FAX: 519-759-1625

EMERGENCY PHONE: CANUTEC 613-996-6666

PRODUCT USE: Instrument pre-soak and ultrasonic cleaner.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Subtilisin

%: 1.5
LD 50: >2000
CAS No: 9014-01-1
HAZARDOUS: yes

INGREDIENT: Alkylphenolethoxylate

%: 10-30
LD 50: 2500
CAS No: 9016-45-9
HAZARDOUS: yes

INGREDIENT: Sodium Xylene Sulfonate

%: 2-10
LD 50: 650
CAS No: 1300-72-7
HAZARDOUS: yes

INGREDIENT: Propylene Glycol

%: 5-10
LD50: Not available
CAS No: 57-55-6
HAZARDOUS: yes

INGREDIENT: Triethanolamine

%: 1-5
LD50: 9000
CAS No: 102-71-6
HAZARDOUS: yes

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3. HAZARD IDENTIFICATION

EYES: Can cause irritation on repeated exposure.
SKIN: Mild irritant.
INGESTION: May cause nausea and vomiting. May be irritating to mouth and throat.
INHALATION: Can cause allergic type reaction in susceptible individuals upon repeated exposure.

4. FIRST AID MEASURES

EYES: Flush with plenty of water holding eyelids open for at least 15 minutes.
SKIN: Flush with plenty of water. Consult physician if irritation persists. Wash contaminated clothing before reuse.
INGESTION: Rinse mouth and throat thoroughly with water
INHALATION: Remove victim to fresh air. Consult physician if allergic reaction occurs.

NOTES TO PHYSICIAN: Not available.

5. FIREFIGHTING MEASURES

FLAMMABILITY: Not flammable.
COMBUSTIBLE: Not available
CONDITIONS OF IGNITION: Not available.
HAZARDOUS COMBUSTION PRODUCTS: Not available.
MEANS OF EXTINCTION: .
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material and absorb it with proper absorber for disposal. Wear gloves and eye protection.

7. HANDLING AND STORAGE

Keep instrument bath and ultrasonic bath covered at all times.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: General ventilation normally adequate.
RESPIRATORY PROTECTION: Not normally required if good ventilation is maintained.
EYE PROTECTION: Yes. Protective eye wear.
SKIN PROTECTION: Yes. Household type rubber gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Peach coloured.
ODOUR: With or without an almond scent.
PHYSICAL STATE: Liquid
pH: 8-9
BOILING POINT: not available
FREEZING POINT: 0°C
EVAPORATION RATE: not available
VAPOUR PRESSURE (mmHg): not available
SPECIFIC GRAVITY: 1.05
SOLUBILITY: not available

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
CONDITIONS TO REACTIVITY: n/a
INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: not available

11. TOXICOLOGICAL INFORMATION

LD₅₀ not available

LD₅₀ not available

12. ECOLOGICAL INFORMATION

n/a

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with local regulations.

14. TRANSPORT INFORMATION

UN HAZARD CODE:
DANGEROUS GOODS CLASSIFICATION:

15. REGULATORY INFORMATION

WHMIS CATEGORY: D, 2B

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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