

SAFETY DATA SHEET

Revision #0

Product name: **MICROZYME**
Last revised date: 06 March 2015
Expiry: 06 March 2018

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. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: WARNING
EYE AND SKIN IRRITANT

EYES: H320 Can cause irritation
SKIN: H316 Causes mild skin irritation.

PRECAUTIONARY STATEMENTS:

P332 + P313: If skin irritation occurs, get Medical attention
P264: Wash thoroughly after handling.
P305 + P351 + P338: If in eyes: Rinse continuously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: get medical advice/ attention.

SIGNAL WORD: Warning

OTHER PHRASES:

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Subtilisin
%: 1-5
CAS No: 9014-01-1
HAZARDOUS: yes

INGREDIENT: Alkylphenolethoxylate
%: 8-13
CAS No: 9016-45-9
HAZARDOUS: yes

INGREDIENT: Sodium Xylene Sulfonate
%: 2-10

SAFETY DATA SHEET

Revision #0

Product name: **MICROZYME**
Last revised date: 06 March 2015
Expiry: 06 March 2018

CAS No: 1300-72-7

HAZARDOUS: yes

INGREDIENT: Propylene Glycol

%: 5-10

CAS No: 57-55-6

HAZARDOUS: yes

INGREDIENT: Triethanolamine

%: 1-5

CAS No: 102-71-6

HAZARDOUS: yes

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. Do not induce vomiting unless directed to do so by medical personnel. Do not attempt to give anything by mouth to an unconscious person. Seek medical advice by calling a Poison Center or doctor.

INHALATION: Remove victim to fresh air. Consult physician if allergic reaction occurs.

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.

SAFETY DATA SHEET

Revision #0

Product name: **MICROZYME**
Last revised date: 06 March 2015
Expiry: 06 March 2018

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Subtilisin

LD 50 Oral Rat: >2,000 mg/kg

Alkylphenolethoxylate

LD50 Oral Rat : 2,590 mg/kg

Sodium Xylene Sulfonate

LD50 Oral Rat : 7,200 mg/kg

Propylene Glycol

LD50 Oral Rat : 20,000 - 34,000 mg/kg

INGREDIENT: Triethanolamine

LD50 Oral Rat : 5,530 mg/kg

Product LD₅₀ Not available

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with local regulations.

14. TRANSPORT INFORMATION

SAFETY DATA SHEET

Revision #0

Product name: **MICROZYME**
Last revised date: 06 March 2015
Expiry: 06 March 2018

Not Regulated

15. REGULATORY INFORMATION

WHMIS CATEGORY: D, 2B

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

Disclaimer

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product or information contained in this Material Safety Data Sheet. All information contained herein is presented in good faith and is believed to be appropriate and 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. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state, provincial, or local regulations concerning the use, misuse, or disposal of these products.