

SAFETY DATA SHEET

Revision #2

Product name: **GZYME**
Last revised date: January 26, 2017
Expiry: January 26, 2020

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Gzyme
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: Enzymatic cleaning solution

2. HAZARD IDENTIFICATION

SIGNAL WORD: Warning



SYMBOLS:

	<u>Health</u>	<u>Environmental</u>	<u>Physical</u>
Acute Oral Toxicity:	Category 5	None known	None known
Eye Irritant:	Category 2A		
Skin Irritant:	Category 3		
Respiratory Irritant:	Category 3		

HEALTH HAZARDS:

H319: May cause serious eye irritation
H316: Causes mild skin irritation
H303: May be harmful if swallowed
H335: May cause respiratory irritation

PRECAUTIONARY STATEMENTS:

P261 Avoid breathing mist
P265: Wash hands thoroughly after handling.
P280: Wear eye protection/face protection.
P271: Use in a well-ventilated area
P305+P351+P338: IF IN EYES: Rinse cautiously 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.
P332+P313: If skin irritation occurs, get medical advice/attention.
P301+P312: If swallowed: Call a poison center/doctor if you feel unwell
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P4034+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up
P501: Dispose of contents/container in accordance with local/regional/national regulations.

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3. COMPOSITION / INFORMATION ON INGREDIENTS (not intended as specifications)

INGREDIENT	CAS No	% wt	HAZARDOUS:
Proprietary	*Proprietary*	30 - 45 %	May cause irritation to skin and eyes.
Proprietary	*Proprietary*	5 - 15 %	Harmful if swallowed. Causes skin irritation and severe eye irritation.
Proprietary	*Proprietary*	1 - 10 %	May cause irritation to skin, eyes and respiratory tract.
Proprietary	*Proprietary*	1 - 10 %	May cause irritation to skin and eyes.
Enzyme blend	*Proprietary*	< 2 %	Inhalation of dust/aerosols may induce sensitization in susceptible individuals. Subsequent exposures may cause allergic reactions in sensitized individuals.

4. FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, contact physician.

SKIN: Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.

INHALATION: Remove person to fresh air and keep comfortable for breathing.

INGESTION: Call a poison center/doctor if you feel unwell.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Apply all-purpose type foams by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Water is suitable.

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, nitrous oxides, carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material. Provide adequate ventilation. Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. HANDLING AND STORAGE

Keep away from heat in a cool well-ventilated area. Protect from freezing. Keep container closed when not in use. Avoid breathing vapours. Avoid contact with eyes.

OTHER PRECAUTIONS: Good personal hygiene practices are suggested.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use adequate ventilation.
RESPIRATORY PROTECTION: Avoid breathing vapours.
EYE PROTECTION: Avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear blue to green coloured liquid
ODOUR: Mild
PHYSICAL STATE: Liquid
pH @ 22°C: 7.00 - 8.00
BOILING POINT: Above 100 °C
MELTING POINT: N/Av
FREEZING POINT: Below 0 °C
SPECIFIC GRAVITY @ 25 ± 1°C: 0.900 - 1.100
EVAPORATION RATE: N/Av
SOLUBILITY IN WATER: Soluble
PROTEOLYTIC ACTIVITY: Min 0.068 AU/ml

10. STABILITY AND REACTIVITY

STABILITY: N/Av
CONDITIONS TO AVOID (STABILITY): N/Av
INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing materials
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Burning can produce carbon monoxide and carbon dioxide, ammonia and nitrous oxides (small amounts).

11. TOXICOLOGICAL INFORMATION

Proprietary Oral rat LD50 20g/kg
Dermal rabbit LD50 20.8g/kg
Eye irritation rabbit (Draize) 500 mg/24h, mild

Proprietary Oral rat LD50 4920 mg/kg
Oral rabbit LD50 5160 mg/kg
Oral mouse LD50 7400 mg/kg
Oral guinea pig LD50 5300 mg/kg
Dermal rabbit LD50 > 20 mL/kg
Skin irritation rabbit 560 mg/24h, mild
Eye irritation rabbit 20 mg, severe

Investigated as a tumorigen and a mutagen.

Proprietary Oral rat LD50 2660 mg/kg
Oral woman LDLo 200 mg/kg
Investigated as a mutagen, tumorigen, reproductive effector.

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12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: According to state, federal, provincial, and local regulations.

14. TRANSPORT INFORMATION

TRANSPORT HAZARD CLASS: N/Av

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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