

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	CHEM-ZYME
Manufacturer and Supplier	CHEM CLEAN LTD
Address:	#58-60 Century Drive Trincity Industrial Estate Macoya Trinidad and Tobago
Telephone Number	(868) 223 2436
Website:	www.chemclean.solutions
Recommended Use:	Bacterial Digestant for industrial and municipal waste water systems
Restriction on use:	For specific intended-use guidance, please refer to the information provided on the package or Product Data Sheet or Chem Clean Specialist

2. HAZRDS IDENTIFICATION

GHS Classification

Skin & Eye irritation: Category 2A

GHS Label element

Hazard pictograms:



Signal Word: Caution

Hazard Statements: Harmful if swallowed.
Causes serious eye irritation
Classified as Non Hazardous

Precautionary Statements: P102: Keep out of reach of children.
 P103: Read label before use.
 Do not take internally

Prevention Precautionary Statements: P233: Keep container tightly closed.

Response Precautionary Statements: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical advice/attention.

IF ON SKIN: If a rash appears, get medical advice/attention.

Storage Precautionary Statements: Store in a closed container in a cool, dry place away from sunlight.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS	CHEMICAL NAME	% CONCENTRATION
N/A	Viable bacterial cultures	95.0 min

4. FIRST AID MEASURES

Note	<ul style="list-style-type: none"> ◆ This product has been classified as a non-hazardous substance.
Skin Contact	<ul style="list-style-type: none"> ◆ Immediately remove contaminated clothing and wash before reuse ◆ Immediately flush skin with plenty of cool running water for at least 15 minutes. It may cause infection on open wounds. ◆ Immediate Medical Attention is required if irritation persists or burns develop
Eye Contact	<ul style="list-style-type: none"> ◆ In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes ◆ Keep eyes wide open while rinsing ◆ Immediate medical attention is required if irritation persists.
Inhalation	<ul style="list-style-type: none"> ◆ Prolonged contact may cause slight irritation. Supply fresh air immediately. Contact a physician if necessary.
Ingestion	<ul style="list-style-type: none"> ◆ If swallowed, immediately drink a large quantity of water ◆ Do not induce vomiting ◆ May cause in diarrhea. ◆ Rinse mouth thoroughly

	<ul style="list-style-type: none"> ◆ Never give anything by mouth to an unconscious person ◆ Immediate medical attention is required
Aggravated Medical Conditions	<ul style="list-style-type: none"> ◆ Pre-existing skin or respiratory disorders

5. FIRE-FIGHTING MEASURES

Flash Point	<ul style="list-style-type: none"> ◆ N/A
Suitable Extinguishing Media	<ul style="list-style-type: none"> ◆ Water - spray
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> ◆ N/A
Specific Hazards	<ul style="list-style-type: none"> ◆ N/A
Special exposure hazards arising from the substance, or preparation itself, its combustion products or released gases	<ul style="list-style-type: none"> ◆ Product will not burn
Special Protective Equipment for fire-fighters	<ul style="list-style-type: none"> ◆ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear
Specific Methods	<ul style="list-style-type: none"> ◆ Cool containers / Tanks with water spray ◆ Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	<ul style="list-style-type: none"> ◆ Do not get in eyes or do not swallow ◆ Use personal protective equipment
Environmental Precautions	<ul style="list-style-type: none"> ◆ Discharge in accordance with Government Regulations
Methods for cleaning up	<ul style="list-style-type: none"> ◆ Small spills: Wash down with large quantities of water in sanitary sewer ◆ Large spills: Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material (sand or vermiculite) and place in compatible container for disposal. Flush residue with large amounts of water into sanitary sewer.

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions	<ul style="list-style-type: none"> ◆ Avoid contact with eyes and skin ◆ Do not swallow
Safe Handling Advice	<ul style="list-style-type: none"> ◆ Wash hands immediately after contact to avoid possibility of hand-eye transfer

Storage

Technical Measures/Precautions	<ul style="list-style-type: none"> ◆ Keep containers tightly closed in a cool, dry area. ◆ Store in properly labeled containers ◆ Do not reuse empty containers – they may contain residues
--------------------------------	--

	◆ Avoid prolonged exposure to high or low temperatures to maintain shelf-life of product
Incompatible Products	◆ Strong acids or alkalis may inactivate bacterial cultures
Specific use(s)	◆ Bacterial Digestant

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Engineering Measures</u>	◆ The use of local exhaust ventilation is not required.
<u>Personal Protective Equipment</u>	
Hand Protection	◆ Neoprene or rubber gloves with cuffs if needed to avoid prolonged contact
Eye Protection	◆ Tightly fitting chemical splash goggles ◆ Safety eyebath nearby
Respiratory Protection	◆ None required
Skin and Body Protection	◆ Use chemical protective clothing for repeated or prolonged contact
Hygiene Measures	◆ Keep away from food, drink and feed ◆ When using, do not eat, drink or smoke ◆ Regular cleaning of equipment, work area and clothing ◆ Wear suitable gloves and eye/face protection ◆ For environmental protection, remove and wash all contaminated protective equipment before re-use
<u>Environmental Exposure Controls</u>	◆ Do not get into eyes or do not swallow

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State	Liquid
Color	Clear to Light Amber
Odor	Pungent and Distinctive

Important Health Safety and Environmental Information

Molecular Wt.	N/A
pH	7.0-8.0
Boiling pt	N/A
Specific gravity	0.98-1.10
Viscosity (CSTS)	Not specified
Solubility in water	100%
Vapor Pressure	N/A
Vapor Density (AIR=1)	N/A
Evaporation Rate (WATER:1)	N/A
Freezing Point	N/A
Volatile Organic Compounds (Total VOC's)	N/A

10. STABILITY AND REACTIVITY

Stability	◆ Stable under normal conditions
Conditions to avoid	◆ None known
Materials to avoid	◆ Acids ◆ Alkalis
Hazardous Decomposition Products	◆ None determined
Polymerization	◆ Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Product Information

LD50/oral/rat	
<u>Local effects</u>	
Skin irritation	Prolonged contact with concentrate may cause irritation
Eye irritation	May cause irritation
Sensitization	
<u>Specific effects</u>	Can cause irritation if ingested
Carcinogenic Effects	None
Mutagenic Effects	Not determined
Reproductive toxicity	Not determined
Target Organ Effects	Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

CAS	Chemical Name	% Weight
N/A	N/A	N/A

Product information

Aquatic Toxicity: Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations.

Other Information

13. DISPOSAL CONSIDERATIONS

Waste from residues/Unused products	Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations. Consult your local, state or federal Environmental Protection Agency before disposing of any chemicals. Refer to the Environmental Management Authority (EMA) for complete waste disposal regulations
Contaminated Packaging	Empty containers should be taken for recycling, recovery or waste

	disposal
Further Information	

14. TRANSPORT INFORMATION

This product is not classified as dangerous according to international transport regulations (DOT, ADR, IMDG or IATA).

15. REGULATORY INFORMATION

There are no safety, health and environmental regulations/legislation specific for the substance or mixture.

16. OTHER INFORMATION

Other

The information in the Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, we assume no liability resulting from use of SDS information.

End of Safety data sheet