

MICROZYME LIQUID

1. DESCRIPTION

MICROZYME LIQUID is a concentrated blend of a liquid living aerobic and anaerobic bacteria specially selected for the unique ability to produce active enzymes, which are required for degradation of sanitation wastes.

MICROZYME LIQUID, which is the fourth generation of bacteria sanitation treatments, has been subjected to stringent antibiotic screening.

MICROZYME LIQUID is naturally occurring and non-genetically engineered. Therefore, **MICROZYME LIQUID** is safe for usage under all types of applications. With its unique ability to formulate bacterial strains, which produce large amounts of amylase (starch), protease (protein), cellulase (cellulose), and lipase (grease), **MICROZYME LIQUID** if used on a routine basis will supplement the bacteria normally present and thereby degrade waste material more rapidly and with greater efficiency.

2. APPLICATIONS

MICROZYME LIQUID can be slug dosed or put directly into the sewage tank line (i.e. Marine Sanitation Device (M.S.D.), Collection, Holding and Transfer System (CHTS) or other types of holding tanks).

A more convenient method, which ensures treatment throughout the system, would be to apply the product directly to galley and toilet facilities (e.g. sinks, showers, commodes and scuppers).

MICROZYME LIQUID with its specially designed surfactant system can be used as a neutral cleanser to replace harsh acid, caustic and bleach based products, which are extremely detrimental to any type of biological system.

3. DIRECTIONS FOR USE

1. **A start up dosage of 1 gallon (3.785 liters) of MICROZYME LIQUID per 1.200 gallons (4.542 liters) tank capacity** and should be added directly to Holding Tank and be allowed a minimum of **24-36 hours** after this initial application for the system to become properly activated.
2. Additional product should be added daily if used only as a tank treatment / cleaner in the amounts of **32 ounces (1 liter) per 1.200 gallons** of additional liquids.
3. **MICROZYME LIQUID** when used as a cleanser should be applied with **about 3-4 ounces (75-100 ml) of product** to each toilet, sink, drain in the same manner as with any previously used janitorial type cleaner.

MICROZYME LIQUID performs within a **pH range of 5.5-8.5** and at a **temperature range of 10-44°C (50-110°F)**. Extreme variations of pH and temperature as well as wide shifts in either parameter over a short period of time should be avoided.

4. INITIAL DOSAGE

ENVIRONMENTALLY SUPERIOR SANITATION TREATMENT & CLEANER

Product Highlights

- Eliminates sanitation wastes, grease and fat accumulation.
- Eliminates the hazardous use of caustics and acid by utilizing an effective blend of concentrated surfactants.
- Eliminates emergency and costly piping repairs.
- Prevents clogging and avoids any back up throughout the shipboard system.
- Safe, non-caustic, non-corrosive, non-combustible, non-toxic.
- Biodegradable.
- USDA approved for use in federally inspected food plants.

Product Characteristics

Appearance:	Clear liquid, blue
Corrosive action:	None
Specific gravity:	1.0(20°C)
Flash Point:	None
pH:	7

This information is not to be taken as a warranty or representation for which we assume any legal responsibility. The information is offered solely for your consideration, investigation and verification

clean chemicals clean ships clean seas



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Details of our automatic dosing system can be given to you by and UNI AMERICAS' Service Technician.

5. OTHER INFORMATION

- Eliminates sanitation wastes, grease and fat accumulation.
- Eliminates foul odors and deodorizes shipboard sanitation systems.
- Eliminates the hazardous use of caustics and acid by utilizing an effective blend of concentrated surfactants.
- Eliminates the need for manually cleaning sanitation system.
- Eliminates emergency and costly piping repairs.
- Prevents clogging and avoids any back up throughout the shipboard system.
- Maintains system for long-term operational efficiency.

MICROZYME is:

- Safe, non-caustic, non-corrosive, non-combustible, non-toxic.
- Biodegradable.
- USDA approved for use in federally inspected food plants.
- Approved by major sanitation system manufacturers.

8. NOTES

- Store in cool dry place.
- Keep container closed when not in use.
- Do not ingest.
- Do not get in eyes.
- Avoid prolonged skin contact.
- For eye and skin contact, wash thoroughly with clean fresh water.
- UNI AMERICAS recommends that all supervising personnel and employees read MSDS prior to using any product.