Part # JA01
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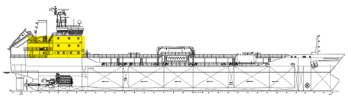
MICROZYME LIQUID

Environmentally Superior Sanitation Treatment and Cleaner

Technical Information

USAGE AREAS



Biological Product

PACKAGING

Physical Data

Appearance:	Dark blue liquid culture, Completely soluble in water, environmentally safe, completely biodegradable, minimum aerobic bacterial count of 40 billion/gallon (10.57 billion/l)
Odor:	Lightly perfumed
Shelf life:	6 months to 1 year
Flash point:	None
pH range:	5.5 – 8.5

Description

MICROZYME LIQUID is a concentrated blend of a liquid living aerobic and anaerobic bacteria specially selected for their unique ability to produce active enzymes required for the 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, it 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.

Advantages

- 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 manual cleaning of sanitation systems.
- Eliminates emergency and costly piping repairs.
- Prevents clogging and avoids any backup throughout the shipboard system.
- Maintains system for long-term operational efficiency.
- 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.

Application

MICROZYME LIQUID can be slug dosed or put directly into the sewage tank line (i.e. Marine Sanitation Device –MSD–, 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

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as a neutral cleanser to replace harsh acid, caustic, and bleach-based products which are extremely detrimental to any type of biological system. Details of our automatic dosing system can be given to you by an Uniservice Unisafe service technician.

Direction for Use

A start-up dosage of 1 gallon (≈3.7 liters) of MICROZYME LIQUID per 1,200 gallons (4,542 liters) tank capacity should be added directly to the Holding Tank and allowed a minimum of 24–36 hours after this initial application for the system to become properly activated. Additional product should be added daily if used only as a tank treatment/cleaner in the amounts of 32 oz (1 liter) per 1,200 gallons of additional liquids. MICROZYME LIQUID when used as a cleanser should be applied with about 3–4 ounces (75–100 ml) of the product to each toilet, sink, drain in the same manner as with any previously used sanitorial 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.

Storage and Handling

- Store in a cool, dry place.
- Keep the 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.

Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

Contact

For further information, please contact your local Uniservice Unisafe sales representative or get in touch with us:

Uniservice Unisafe SRL
Marine Chemicals Division
Via al S.N.S. della Guardia 58a
Genoa 16162 Italy
(+39) 010 711 395
(+39) 010 713 120
www.uniservicemarine.com