

MICROZYME™ LAGOON TREAT

LAGOON WASTE TREATMENT MICROBIAL PRODUCT

DESCRIPTION	<p>Microzyme™ Lagoon Treat is a dry blend of naturally-occurring, scientifically selected (but not genetically manipulated) microbes and enzymes formulated to accelerate decomposition and digestion of sludge and to consume excess nutrients</p> <p>including nitrates and phosphates in wastewater treatment lagoons and holding tanks. Microzyme™ Lagoon Treat is a blend of about twelve select facultatively anaerobic microbial cultures, which are effective across a wide range of substrates and environmental conditions. The microbes in Microzyme™ Lagoon Treat are strictly saprophytic, that is, they digest only non-living, organic, and inorganic materials. Use of Microzyme™ Lagoon Treat in conjunction with mechanical aeration and agitation reduces B.O.D. (Biological Oxygen Demand), C.O.D. (Chemical Oxygen Demand), and malodors to acceptable levels, and the malodors which result from anaerobic microbial activity. By performing a more efficient, less odorous waste reduction process, Microzyme™ Lagoon Treat substantially reduces the need for mechanical dredging and treatment with harmful chemicals.</p>
PROPERTIES	<p>Microzyme™ Lagoon Treat microbial cultures actively grow at temperatures of 20-45 °C (68-113 °F) and produce various enzymes needed for sludge digestion, including: (1) Amylase to digest starch, (2) Protease to digest proteins, (3) Cellulase to digest cellulose, (4) Ligninase to break down lignin, (5) Xylanase to break down xylan, (6) Pectinase to degrade pectin, (7) Lipase to degrade animal fat, and (8) Keratinase to digest wool and hair substrates. These are saprophytic organisms and other well under most conditions prevalent in most wastewater lagoons.</p>
ACTIVITY	<p>The standard viable microbial count of Microzyme™ Lagoon Treat is about 2 Billion CFU/gm or about 900 Billion CFU/lb. Custom formulations can be produced with higher counts for particular commercial applications and formulation needs.</p>
APPLICATIONS	<p>Municipal, agricultural, and zoological wastewater lagoons, holding ponds, and Tanks.</p>
STORAGE	<p>Microzyme™ Lagoon Treat should be stored between 10°- 30°C (50°-86°F). For best retention of initial quality, storage in a cool dry place is recommended. Avoid prolonged exposure to higher temperatures and/or humidity.</p>
PACKAGING	<p>Microzyme™ Lagoon Treat is available in bulk, or pre-packaged in water soluble pouches for direct professional use/application.</p>

Disclaimer:

Nothing disclosed above is to be construed as a recommendation to use our products in violation of any patents or regulations. The information presented above is believed to be accurate. However, said information and products are offered without warranty or guarantee including composition and purity stated herein. Since the ultimate conditions of use and the variability of the material treated are beyond our control, liability claims may not exceed purchase price of product.