

# MICROZYME™ WOOD PULP TREAT

## WOOD PULP WASTE TREATMENT MICROBIAL PRODUCT

DESCRIPTION	Microzyme™ Wood Pulp 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 generated by wood processing and to consume excess nutrients in holding tanks and lagoons. Microzyme™ Wood Pulp Treat is a blend of about six select facultatively anaerobic microbial cultures, which are effective across a wide range of substrates and environmental conditions. The microbes in Microzyme™ Wood Pulp Treat are strictly saprophytic, that is, they digest only non-living and dead decaying organic materials. Use of Microzyme™ Pulp Treat in conjunction with mechanical aeration and agitation reduces B.O.D. (Biological Oxygen Demand) and C.O.D. (Chemical Oxygen Demand) to acceptable levels.
PROPERTIES	Microzyme™ Wood Pulp 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. These are saprophytic organisms which thrive on dead decaying organic matter such as wood pulp and other wastes. They also grow well under most temperature and pH(4.5-8.5) conditions prevalent in most wastewater tanks and lagoons.
ACTIVITY	The standard viable microbial count of Microzyme™ Wood Pulp 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.
APPLICATIONS	Wood Processing wastewater generated during paper manufacturing operations which have excess amounts of lignocelluloses, lignins, hemicelluloses, celluloses, xylan along with other by-products such as sugar, proteins, pectins, etc. in waste process water holding tanks and lagoons.
STORAGE	Microzyme™ Wood Pulp 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. Prolonged exposure to higher temperatures and/or humidity should be avoided.
PACKAGING	Microzyme™ Wood Pulp Treat is available in bulk, or pre-packaged water soluble pouches for direct professional use/application.

**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.