

# MULTI-ZYME

**THE MULTI-ZYME CONCEPT** -THE NATURAL SOLUTION to solve sanitation and odour problems,naturally and effectively using compounds already existing in nature ensuring environment safety.

## WHAT IS MULTI-ZYME?

**MULTI-ZYME** is a unique combination of bacteria and multiple enzyme systems in liquid form.These ingredients act synergistically,to promote the biodegradation of solid matter in waste systems.

## HOW DOES MULTI-ZYME WORK?

When introduced into a waste system,the dormant bacterial spores begin to grow.Under optimum conditions,these bacteria,will reproduce by cell division,every 20 minutes.Each cell could conceivably add 16 million waste degrading bacteria to the system in an eight hour period.

Bacteria cannot absorb normal waste as it occurs as a food source.Instead,it must pre-digest it's food outside the cell wall.To do this, bacteria produce enzymes.These enzymes digest the waste solids,into a food source,that can be easily absorbed by the cell.The cell then splits forming two cells and so on.

**MULTI-ZYME** contains multiple enzymes,that begin to work immediately in the waste environment.They in effect "JUMP START" the system to provide a ready food source for the bacteria.Then the natural multiplication occurs.As the bacteria increase,so do the enzymes.As they are not consumed in the process,they continue to digest the waste.

An odour counteractant,provides initial relief from unpleasant odours and gases in the waste system.On-going odour control is provided by the biodegradation of odour causing waste matter.

## **IS MULTI-ZYME SAFE?**

**MULTI-ZYME** contains no harsh acids or caustics. It will not corrode equipment. Most important the bacteria are non-pathogenic in nature (not harmful to man). They are guaranteed free of salmonella and staphylococci. **MULTI-ZYME** contains both aerobic and non-aerobic bacteria. It is totally biodegradable unlike quats.

## **TYPICAL SPECIFICATIONS**

<b>BACTERIA COUNT</b>	52 Billion/lit.
<b>STABILITY</b>	12-24 Months
<b>APPEARANCE</b>	White liquid
<b>ODOUR</b>	Pleasant perfume
<b>SPECIFIC GRAVITY</b>	1.0
<b>pH</b>	8.2-8.8
<b>EFFECTIVE pH RANGE</b>	5.9-9.0
<b>EFFECTIVE TEMPERATURE RANGE</b>	7 C-40 C
<b>STORAGE</b>	Cool, dry place
<b>HANDLING</b>	Avoid eye contact Do not ingest

MULTI-BLEND LTD.  
2720 SLOUGH STREET, MISSISSAUGA, ONTARIO L4T 1G3 TEL: 905-678-9559 FAX: 905-678-0884