

**8601-055**

### **BioRem-2000 Water Treatment Sludge**

## **Water Treatment Solutions**

#### **Description**

- A powerful blend of microbes and natural botanical blends designed to reduce sludge and improve odor control.
- Reduces BOD, COD and TSS levels in waste water operations up to 90%.
- Reduces sludge volume in digesters (aerobic/anaerobic), clarifies and lagoons up to 50% .
- Reduces odor in waste water facilities, lift stations, holding ponds and landfill applications from 85% to 100%.
- Effluent quality is improved.
- Resistant to many chemical shocks and decreases recovery time.
- Improves biological, sludge and nitrification/denitrification processes.

#### **Technology Profile**

Number of Different Microbial Strains	12
Microbial Count	50 Billion/gram
Microbial Characteristic	All GRAS Listed
Number of Enzyme Species	7
Enzyme Activity	6,000 u/mg.
pH Activity Range	5-11 pH
Appearance	Amber Liquid
Bioluminescence Test	Positive for Living Cells
Salmonella	Negative
Listeria	Negative
Phosphorous	Non-Detect

#### **Technical Information**

Usage	Dilution Ratio	RTU
Physical Properties	Appearance	Liquid
	Color	Amber
	Fragrance	None
	pH	7
	Shelf Life	Minimum 1 Year
Packaging	8601-055	55 gal.

#### **Advantages**

Biological treatment of wastewater is used primarily to remove the biodegradable organic substances (colloidal or dissolved). Bacteria is the primary microorganism used in the removal of carbonaceous BOD and the stabilization of organic matter when biological treatment is employed. A variety of biological processes have evolved over the past 30 years to deal with varying wastewater characteristics and increased control of discharges. BioRem-2000 Water Treatment™ Sludge is very effective in converting and decomposing organic matter at a high rate. Dramatic changes in ratio of food to microorganisms (F/M) takes place as well and assist in predicting improved process efficiency. Variances in wastewater temperatures and pH have a wider operating range with BioRem-2000 Water Treatment™ Sludge than with conventional biological parameters. This capability allows for more consistent activity with uniform feed rates.

#### **Application**

There is no set formula that will be effective in every system. All is dependent on the type of environment, the biological and chemical make up of the system. Please consult with distributor and/or manufacture for the correct dosage for your system.

