

**8607-004**

### **BioRem-2000 Water Treatment Odor Neutralizer - Blocks™**

#### **Description**

- An all-natural botanical product, formulated to neutralize odor-producing compounds including hydrogen sulfide and septic odors in industrial and commercial settings.
- Reduces the population of hydrogen sulfide-forming bacteria and alters the environment to eliminate bad odors.
- It is not a masking agent, odor neutralizer.
- A consistent, automated system providing continuous treatment.
- Reduces labor time by eliminating dosage and metering pumps.
- Resistant to many chemical shocks and decreases recovery time.
- Bio-based, all-natural and biodegradable.

#### **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	Block
Bioluminescence Test	Positive for Living Cells
Salmonella	Negative
Listeria	Negative
Phosphorous	Non-Detectable

#### **Technical Information**

Usage	Dilution Ratio	RTU
Physical Properties	Appearance	Solid
	Color	Green
	Fragrance	None
	pH	7
	Shelf Life	Minimum 1 Year
Packaging	8607-004	4 lb.

### **Water Treatment Solutions**

#### **Advantages**

The odor-producing compounds are organic compounds containing sulfur or nitrogen functionalities, including the mercaptan family as well as amino-functioning hydrocarbons which are of low molecular weight and create various petrifying malodors. The decomposition of meat or carcasses creates hydrogen sulfide but also creates cadaverine which is a hydrocarbon diamine. These compounds are produced when the bacteria digests the organic proteins in an anaerobic environment. This causes the bacteria to pull the oxygen atoms of the amino acids of the proteins causing the production of sulfides, mercaptans and amino hydrocarbons.

Any ammonia or hydrogen sulfide which may be present is digested by the live Microbe System found in BioRem-2000 Odor Neutralizer- Blocks™, which uses these compounds as fuel for their cellular functions.

Ingredients are covered under 21 CFR §182.20 for use in food grade ingredients for applications listed under Section 409. These include odor and pH control of such environments. BioRem-2000 Odor Neutralizer™ is diluted 5:1 with water and then applied

#### **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.

