



**RESTORED**  
ENVIRONMENTAL

# Wastewater Treatment Product Specification Sheet

*Treating wastewater with our products will provide more benefits than any other methods.*

Our Wastewater Treatment uses a unique combination of bioenhancement compounds, mature strains of selected, naturally occurring microorganisms, and odor neutralizing formulations for the complete treatment of waste and odor challenges. It breaks down waste into environmentally safe compounds while significantly reducing or eliminating odors in the process.

We use the following technologies:

1. **Bioenhancement** - Liquid Optimizer and Optimizer Plus formulations are what elevate BioWorld into a class of its own. Our formulations of specialized nutrients and substrates maximize the ability of microbes to reproduce and thrive in a harsh wastewater setting.
2. **Bioaugmentation** - General Blend Microbes (dry) consist of various bacillus and other digestive strains for degrading organic waste.
3. **Odor Neutralizers** - natural odor neutralizing compounds that eliminate offensive odors.

Our Wastewater Treatment is environmentally safe, non-hazardous, non-toxic, non-corrosive, non-flammable, and non-pathogenic.

### Composition and Physical Properties

**Liquid:** Bioenhancement Compounds, Vitamins, Minerals, Amino Acids, Polysaccharides, Esters, Alcohols, Oils, Proteins, Natural Liquid Enzymes, Organic Surfactants, Odor Neutralizing Compounds.

pH: 5.5 – 6.5  
Boiling Point: 212°F/100°C  
Freezing Point: 32°F / 0°C  
Solubility in Water: 100%  
Specific Gravity: 1.0028  
Appearance & Odor: Blue-Green; Floral Odor

**Dry:** Selected bacillus and other digestive strains, natural enzymes on a fiber carrier

Concentration: Maximum viable CFU/g - strain and type dependent  
Form: Free Flowing Powder  
Color: Light Brown  
Odor: Yeast Like  
Product pH: Neutral  
Effective pH Range: 5-9  
Optimum Temperature: 50 – 110°F



Store in a cool dry place and avoid freezing. Apply to wastewater containing grease, fats, manure, sludge, proteins, starches, sugars, BOD/TSS and other organic matter. Use at food processors, dairies, hog and poultry farms, slaughter houses, industrial facilities, municipal plants, hotels, restaurants, lift stations and grease traps.

|  |                                  |        |                                    |
|--|----------------------------------|--------|------------------------------------|
| #55014   | 1-gallon Optimizer Plus (10 lbs) | #35014 | 1-gallon Liquid Optimizer (10 lbs) |
| #55064   | 6-gallon Optimizer Plus (56 lbs) | #35064 | 6-gallon Liquid Optimizer (56 lbs) |
| #55250   | 250-gallon Optimizer Plus        | #35250 | 250-gallon Liquid Optimizer        |
| Use Liquid Optimizer or Optimizer Plus with Dry Microbes - |                                  | #36086 | ½ pound General Blend Microbes     |
|  |                                  | #36055 | 2½ pound General Blend Microbes    |