

# BioWorld Liquid Optimizer Plus Spec Sheet

BioWorld Liquid Optimizer Plus eliminates odors by using a unique combination of bioenhancement substrates and odor neutralizing compounds. The key advantage of Liquid Optimizer Plus is its ability to alter the solid or liquid waste materials by stabilizing the release of sulfides and other odorous gases, especially in harsh waste environments where pH may be an issue.

Liquid Optimizer Plus can be used in combination with BioWorld Microbes for accelerated waste degradation and odor elimination. It will also assist the indigenous microbes to degrade organic substances more rapidly than natural decomposition.

## Composition and Physical Properties

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



## Where to use

BioWorld Liquid Optimizer Plus has proven to be effective in changing the processes that generate odors in many types of problem areas including:

- Wastewater solids, sludge, fats, oils, grease, biomass.
- Sulfides in wastewater or petrochemicals
- Composting organic materials – fish, poultry litter, manure
- Fiber – pulp and paper wastewater
- Apply to trash piles, waste bins, hauling trucks, equipment
- Industrial, Government Facilities, Recycle Centers, Solid Waste Facilities
- Food Processors, Animal Areas, Hauling Equipment
- Factories, Metal Processing, Wash down and Cleanup Areas and many more...

## What it Does

BioWorld Liquid Optimizer gets rid of stubborn and persistent odors by safely altering and accelerating the natural degradation processes. It is easy to use, environmentally safe, non-hazardous, non-toxic, non-corrosive, non-flammable and non-pathogenic.

## Many Uses

Liquid Optimizer Plus is a combination of several of our formulations, developed for odor issues on surfaces and in water.

Areas where the product is currently used:

- Compost stockpiles
- Trash hauling equipment - Dumpsters
- Fall leaf storage piles
- Street sweeping dump areas
- Horse stalls, track area and directly on horses
- Dog runs – Concrete, dirt, turf or lawns with odors
- Cooling tower water - Evaporative coolers
- Sewage lines - sumps – drains – grease traps
- Pulp and paper mill – breweries – food processing
- Solid waste storage facilities
- Recycling facilities: Scrap metal – glass – paper waste
- Car / truck wash bays - Inside hauling trailers
- Slaughter houses, wastewater, grease, oils
- Dairy – cattle - hog – poultry operations
- Rendering - Dead animals and fish odors
- Residential Sewer Leaks
- Many others!