

# Liquid Odor Control

## Description

BIOBUG WHC is a specialized combination of bacterial cultures specifically formulated and packaged for biological control of pest and removal of nuisance odor in facilities such as garbage landfill disposal sites, garbage bin, garbage trucks, transfer stations, animal farms, tanneries, toilets, etc. BIOBUG WHC effectively handles intolerable nuisance odor such as ammonia, hydrogen sulfite (rotten egg smell) and other fouled odor gases. These nuisance odors not only give rise to public complaints, but causes corrosion damage and health hazard problems as well.

BIOBUG WHC does more than merely mask the nuisance odor but degrading the organic waste that give rise to the fouled odor, eliminating them at the source. This provides a much longer lasting effect on odor removal compare to other competitors product such as deodorant or masking agent by itself. Deodorant or masking agent does not tackle the odor problem at the source but merely covering the bad smell by their fragrance.

## Effect

Malodorous compounds are normally produced as an intermediate by-product of waste decomposition by microbes. These malodorous compounds cannot be utilized by the existing microbes because they are toxic. Low level of H<sub>2</sub>S can suppress bacteria motility, growth and reproduction resulting unhealthy biomass. High level of H<sub>2</sub>S can even reduce biological activity to near zero.

BIOBUG WHC is able to utilize these toxic compounds in their metabolic process. H<sub>2</sub>S molecules can be oxidized by BIOBUG WHC to form elemental sulfur which is then stored by the bacteria in their cell structures. BIOBUG WHC can also initiate and promote ammonia removal through active nitrification. The removal of odor or toxic substances will change the existing biomass dynamics gradually shifting towards a healthy and superior population.

BIOBUG WHC is able to remove or digest many types of pungent and putrid malodorous substances. They can also accelerates the digestion of fats, oil and grease by creating intermediates such as fatty acids and glycerol which are converted far more readily by the existing bacteria. Odor and pest such as insects or flies are control and reduce effectively in animal farms with BIOBUG WHC.



The accumulation of manure creates nuisance odor and flies in the surrounding areas and promotes a condition for disease outbreak in poultry, dairy or cattle farms. By eliminating the fouled odor, insects and flies, this provides a cleaner breeding environment for the animals and reduces the mortality rates.





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## Specifications

Form:	Free-flowing liquid
Color:	Pale Yellowish White
Fragrance:	Natron or Lemon
Nutrient:	Micronutrients, stimulants & biological enhancers
Plate Count:	400 billion per gallon

## Packaging

Packaged to suits customer needs and for ease of use. 5 gallon, 30 gallon or 55 gallon drum.

## Application Instructions

BIOBUG WHC is sprayed directly to the source with any appropriate liquid spreading equipment. The concentrate product can be diluted with clean water up to 20 times, 50 times or 100 times prior to application.

Rubbish dumpsite: To treat areas up to 1000 sq meter, apply 1 liter concentrate. To treat loading up to 100 tons of rubbish on dumpsite, apply 0.3 to 1.2 gal concentrate (0.003 to 0.012 gal concentrate per ton of rubbish).

Rubbish transfer: To treat loadings up to 100 tons, apply 1 to 2 liter concentrate.

Hard surface: Mop or spray on directly for washroom, trash can, pet areas, floors and carpets.

In the case for poultry, dairy or cattle farm housekeeping, BIOBUG WHC solution is sprayed onto the fresh manure or breeding areas. They can also be added to the water storage tank that is used for bathing the animals or cleaning the floors. Repeat application on daily basis or depending on severity of condition.



## Targeted Waste Area

- Garbage Dumpsite and Transfer Station
- Washroom or Portable Toilets
- Garbage Bins and Trucks
- Kitchen, Grease Traps and Sewerage
- Poultry, Dairies, Cattle Farms
- Carpet Odors
- Tanneries and Abattoirs
- Pet Odors



## Benefits of BIOBUG WHC:

- All Natural
- Eliminates Nuisance Odor
- Low Cost
- Control Insects or Flies
- Environmentally Safe
- Effective Degreaser

## Your local Distributor is:

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