



BIO ENERGIZER®

Environmental

What is Bio Energizer®?

Bio Energizer® is a scientific formulation of natural ingredients based on and delivered by Micro Carbon Technology®.

What does Bio Energizer® do?

Bio Energizer® balances the natural microbial eco-systems of biological wastewater treatment systems for increased bio-oxidation capacity, reduced sludge build-up and handling, lowering BOD/COD levels, reducing FOG, and solving offensive odor problems. It also reduces odors and grease problems in sewer lines and lift stations.

TO IMPROVE LAGOON/POND EFFICIENCY

& REDUCE SLUDGE HAULING COSTS:

- Stop expensive dredging by naturally reducing the sludge blanket and any additional loading on a continual basis.
- Improve water quality with lower BOD/COD levels to meet NPDES and state permit limits.
- Eliminate lagoon down time because lagoons remain on line - no need to drain, dry, or dredge.
- Decrease aeration costs by naturally sustaining dissolved oxygen levels.
- Increase lagoon capacity by accelerating bio-oxidation of sludge accumulation.
- Control offensive odors.

TO INCREASE ACTIVATED SLUDGE TREATMENT PLANT EFFICIENCY & REDUCE OPERATING COSTS:

- Enhance wastewater biological activity and species diversity for faster, more complete solids reduction.
- Reduce filamentous foaming and bulking due to overgrowth of filamentous bacteria.
- Improve flocculation and settleability, decreasing polymer usage and expense.
- Improve sludge destruction efficiency percentage and break down FOG
- Cut sludge dewatering and hauling costs.
- Control offensive odors.
- Reduce FOG, lower BOD/COD.

CONSULT: Consult your local Huma® Environmental Representative or other soil or wastewater specialist for site-specific recommendations.

DISCLAIMER: This product is intended as a supplement to a complete nutrition program and will not, by itself, provide all the nutrients normally required by microorganisms.

CONTAINS BENEFICIAL SUBSTANCES:
11.5% Organic Matter (derived from humic substances)

Derived from Ammonium Nitrate, Urea.

SHAKE WELL BEFORE USE

APPLICATION

METHOD OF APPLICATION	SUGGESTED RATE
Wastewater Treatment Lagoon	Up to 10 ppm injected directly into the influent for the initial phase (typically 30–180 days) to activate lagoon. Thereafter, add up to 5 ppm/day into the influent.
Septic Tank Pumpings or Grease Trap Water	Up to 20 ppm (e.g., 2.5 oz/1,000 gallons)
Landfill Leachate Tanks/Basins	Up to 100 ppm (e.g., 12 oz/1,000 gallons)
Aeration Basins/ Digesters	Up to 7 ppm into the water flow during the initial phase. Up to 5 ppm into the water flow for maintenance.
Sludge Drying Beds	Immediately after wasting sludge to drying beds, spray surface of drying beds with uniform application for odor reduction. Up to 1 qt/ton of material every 15 days.
Odorous Compost/ Organic Matter/ Garbage Trucks	Spray up to 1 qt/ton (2,000 lb) of material on compost/organic matter or tank walls every 15 days for rapid odor reduction.

Conversion Guide:

1 ppm = 1 gal of product/million gallons of wastewater/day

CONTACT YOUR LOCAL HUMA® ENVIRONMENTAL REPRESENTATIVE FOR SPECIFIC USAGE RECOMMENDATIONS.

10.76 lb per gallon @ 68°F.
1.29 kg per liter @ 20°C.
pH 5.0–6.0

2.5 gallons • Net Wt. 26.90 lb
9.46 liters • Net Wt. 12.20 kg
Lot No. 12345678

SAFETY

KEEP OUT OF REACH OF CHILDREN

The liquid and mists may be irritating to the eyes and skin. Inhalation of mists may be irritating to the entire respiratory tract. Ingestion of this product may cause gastrointestinal irritation, or cardiovascular and central nervous system effects.

CLASSIFICATION: HAZARD CATEGORY 3—MILD SKIN IRRITATION

SIGNAL WORD: WARNING

HAZARD STATEMENT: H316—WARNING—Causes mild skin irritation.

PRECAUTIONARY STATEMENT: P332+P317—If skin irritation occurs, get emergency medical help.

PRODUCT CHARACTERISTICS: A clear to hazy, brownish purple, slightly alkaline liquid having a slight characteristic odor. The color, pH, specific gravity, as well as the smell, can vary as this product is a formulation made with organic and organically active ingredients. Variations may occur due to changes in temperature, atmospheric pressure, weather conditions, and/or exposure to light from when the product leaves the factory until it reaches the final consumer.

STORAGE AND DISPOSAL:

Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations.

CONDITIONS OF SALE:

The information contained on this label is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, and other factors are beyond the control of the seller.



Powered By

**Micro Carbon
Technology®**

huma.us

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