

MICRO 14 IS FORMULATED FOR SOIL AND WASTE WATER BIOSTIMULATION IN BIOREMEDIATION PROCESS



MICRO 14
MICRONUTRIENT BLEND
FOR SOIL AND WASTE-
WATER BIOSTIMULATION

BENEFITS OF USE:

- Environmentally Safe
- Non-toxic, non-caustic, non-corrosive, non-flammable
- Effective & easy apply

MICRONUTRIENT BLEND

MICRO 14 is a special blend of 14 ingredients providing various sources of minerals, vitamins and microbial growth elements. This blend is beneficial in stimulating activity in nutrient deficient soils, groundwater or wastewater. The formulation will enhance the speed of the microbial degradation of organic materials in order to provide superior bioremediation.

All bacteria have certain nutritional needs for proper growth and development. These include a dozen micronutrients such as iron, sulfur, manganese, zinc, nickel, molybdenum, copper, iodine, selenium and cobalt. Bacterial cells also require a host of co-metabolites, growth factors, vitamins and certain key amino acids which are found in **MICRO 14**.

Soils and wastewater streams are environments that are frequently deficient in nutrients. In each case, a few dissolved elements may be present. However it is impractical to expect all bacterial trace elements and organic growth factors to be present in every soil, in the right proportions to feed a biomass. To enhance a high level of biological activity in such soils or waters, a macronutrient feed is recommended such as **MICRO 14**. While some commercial fertilizers have a few minerals in addition to N & P, none of them contain all of the compounds bacteria require for complete growth such as cofactors and vitamins.

MICRO 14 provides a fully balanced nutrient blend for the microbial activity and boost bacterial performance and rates of degradation of target substances.

SPECIFICATIONS

Description	Off-white, free flowing powder
Packaging	20.37kg, 208.82kg, custom packaging available
Stability	2 years
pH (1%)	7.0 – 8.0
Bulk Density	1.1-1.3 g/cc
Storage and Handling	Store in a cool dry location. Do not eat Avoid contact with eyes See MSDS.

BIOSTIMULATION WITH MICRO 14 BLEND

CAN:

- provide a balanced complex system of electron donors and acceptors to aid microbial populations
- stimulate activity in nutrient deficient soils, groundwater or wastewater

APPLICATIONS:

- Environmental Cleanup – Bioremediation
- Soil reclamation
- Groundwater Treatment
- Oil Spill Cleanup
- Waste Water Treatment
- Sludge and Manure Treatment
- Lagoons and Ponds
- Odor Control in Landfills
- Manure Pits
- Composting



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APPLICATION INSTRUCTIONS

Dosage rate will vary with different types of soil and waste water system. Please contact your local Bionetix representative for further information.

