

# ECOTONE INDUSTRIES

DEALS IN WASTE, WATER, SOIL, AIR & PLANT APPLICATION CHEMICALS

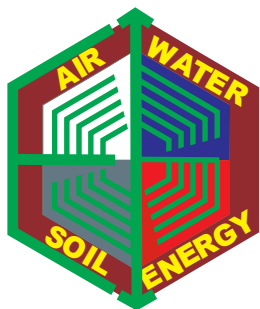
BRANCH OFF.-: ICHALKARANJI MUNICIPALITY COMMERCIAL COMPLEX, FIRST FLOOR,  
SHOP NO.- 59, OPP. TO 'BHAGYAREKHA CINEMA', KOLHAPUR ROAD, NEAR S. T.  
STAND, ICHALKARANJI-416115. TELEFAX NO. - (0230) 2423921 CELL. - 9422046974,  
E-MAIL: [ecotoneindustries@gmail.com](mailto:ecotoneindustries@gmail.com), WEB: [www.ecotoneindustries.com](http://www.ecotoneindustries.com)

REF. NO.:

DATE:

## OUR EFFLUENT TREATMENT CHEMICAL PRODUCTS

SR. NO.	NAME OF CHEMICAL / MATERIAL	MAKE	SPECIFICATION
1	<b>AQUAMICUL – A</b> (Aerobic Microbial Culture)	ECOTONE	Attached
2	<b>AQUAMICUL – AN</b> (Anaerobic Microbial Culture)	ECOTONE	Attached
3	<b>AQUAMICUL – FE</b> ( Microbial Culture for Lagoons)	ECOTONE	Attached
4	<b>AQUAMICUL – FC</b> ( Microbial Culture for Composting)	ECOTONE	Attached
5	<b>MICRONUTRI – A</b> (Nutrient for Aerobic Microbes)	ECOTONE	Attached
6	<b>MICRONUTRI – AN</b> (Nutrient for Anaerobic Microbes)	ECOTONE	Attached
7	<b>MICRONUTRI – F</b> (Multipurpose Nutrient for Facultative Microbes)	ECOTONE	Attached
8	<b>BIOMAGIC – F</b> (Eco-friendly Biological Odor Controller for Effluent / Compost)	ECOTONE	Attached
9	<b>CHEMOMAGIC – F</b> (Chemical Odor Controller for Effluent / Compost)	ECOTONE	Attached
10	<b>BACTOMEDIA – A</b> (Food / Media for Aerobic Microbes)	ECOTONE	Attached
11	<b>BACTOMEDIA – AN</b> (Food / Media for Anaerobic Microbes)	ECOTONE	Attached
12	<b>ALKABOOST – AN</b> (Alkalinity Booster for Anaerobic Digester)	ECOTONE	Attached
13	<b>POLYCOAG – G</b> (Polyelectrolyte Based Coagulant / Flocculants)	ECOTONE	Attached
14	<b>CHEMCOAG – G</b> (Inorganic Chemical Based Coagulant / Flocculants)	ECOTONE	Attached
15	<b>CHEMCOAG – MFC</b> (Specially formulated Inorganic Chemical Based multipurpose Coagulant / Flocculants)	ECOTONE	Attached



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## SPECIFICATIONS OF OUR EFFLUENT TREATMENT CHEMICALS

### AEROBIC MICROBIAL CULTURE

Product contain natural Adapted, mutant Aerobic microbial strains to degrade complex organic matter like sugar, Starch, oil, grease etc. in presence of 2 to 4 % salts. Minimum Viable Bacterial Count will be is 10<sup>10</sup> Race to 11 per ml & remain stable for minimum four months period

### ANAEROBIC MICROBIAL CULTURE

Product contain natural Adapted Mutant Anaerobic microbial strains to degrade complex organic matter like sugar, Starch, oil, grease etc. in presence of 2 to 4 % salts. Minimum Viable Bacterial Count will be is 10<sup>10</sup> Race to 11 per ml & remain stable for minimum six months period

### FACULTATIVE MICROBIAL CULTURE

Product contain natural Adapted Mutant facultative microbial strains to degrade complex organic matter like sugar, Starch, oil, grease etc. in presence of 2 to 4 % salts & traces of oxygen. Minimum Viable Bacterial Count will be is 10<sup>10</sup> Race to 11 per ml & remain stable for minimum six months period

### COMPOSTING MICROBIAL CULTURE

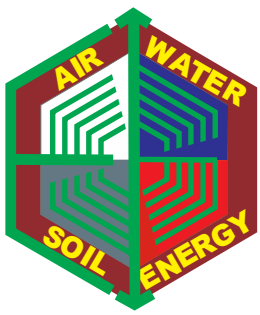
Product contain natural Adapted, mutant Aerobic as well as facultative microbial strains to degrade complex organic matter like cellulose, Starch, fibers wax, etc. in presence of traces of oxygen. Minimum Viable Bacterial Count will be is 10<sup>10</sup> Race to 11 per ml & remain stable for minimum four months period

### MICROBIAL NUTRIENTS FOR AEROBIC REACTOR

Product formulations designed especially for aerobic microbes to enhance the degradation of organic matter. It contains the required primary, secondary & micro elements along with necessary organic microbial growth boosters to sustain the required active microbial strains & count in the reactor.

### MICROBIAL NUTRIENTS FOR ANAEROBIC REACTOR

Product formulations designed especially for anaerobic microbes to enhance the degradation of organic matter. It contain the required primary, secondary & micro elements along with necessary organic microbial growth boosters to sustain the required active microbial strains & count in the reactor.



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## **MICROBIAL NUTRIENTS FOR FACULTATIVE MICROBES**

Product formulations designed especially for facultative microbes to enhance the degradation of organic matter. It contains the required primary, secondary & micro elements along with necessary organic microbial growth boosters to sustain the required active microbial strains & count in the reactor.

## **BIOLOGICAL ODOR CONTROLLER**

Product formulations are designed especially for avoiding the growth of anaerobic microbes. Product enhances the degradation of trace organic matter aerobically. Product will not contain harmful chemicals which affect the microbial growth in the provided field environment. Product is free from microbial culture strains too. Product will achieve all types of odor controlling within the two hours time period after the application of chemical.

## **CHEMICAL ODOR CONTROLLER**

Product formulations are designed especially for avoiding the growth of anaerobic microbes. Product enhances the degradation of trace organic matter facultatively. Product contains chemicals to support the microbial growth in the provided field environment. Product is free from microbial culture strains too. Product will achieve all types of odor controlling within the two hours time period after the application of chemical.

## **FOOD / MEDIA FOR AEROBIC MICROBES**

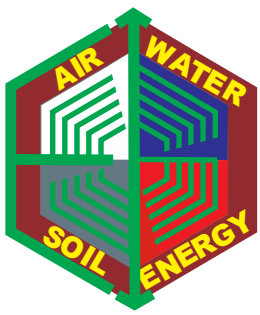
Product contains the required food matter for that specific bacteria to grow abundantly during commissioning activity in the provided field environment to achieve the required active biomass count within 10 days period.

## **FOOD / MEDIA FOR ANAEROBIC MICROBES**

Product contains the required food matter for that specific (Methanogenesis) bacteria to grow abundantly during commissioning activity in the provided field environment to achieve the required count in 20 days period.

## **ALKALINITY BOOSTER FOR ANAEROBIC REACTOR**

Product contains the eco-friendly non-toxic chemical elements to build up the required alkalinity in the digester. Product is free from harmful chemicals like quaternary ammonium compounds, bactericides & corrosive chemicals. Product supports microbial flora of anaerobic digester & enhances the growth in the provided field environment.



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## FLOCCULANTS / COAGULANTS

Product contain Inorganic chemicals which will act as a coagulant / flocculent to raw effluent to achieve the removal of color, demulsify oil from effluent and settle down the suspended as well as colloidal solids. Addition of this product will achieve minimum 30 % C.O.D. reduction.

## MODIFIED FLOCCULANTS & COAGULANTS

Product contain organic multi-chain polyelectrolyte's which will act as a coagulant / flocculent to raw as well as treated effluent to achieve the removal of color, demulsify oil from effluent and settle down the suspended as well as colloidal solids without adding any excess dissolved salts & Addition of this product will achieve minimum 35 % C.O.D. reduction.

## SPECIAL FLOCCULANTS / COAGULANTS

Product contain Inorganic chemicals which will act as a coagulant / flocculent to raw effluent to achieve the removal of color, demulsify oil, odor from effluent and settle down the suspended as well as colloidal solids. Addition of this product will achieve minimum 40 % C.O.D. reduction.

## ADVANTAGES, EFFICIENCY & TIME PERIOD

### 1) TIME REQUIRED FOR ANAEROBIC DIGESTER COMMISSIONING ONLY - 21 DAYS

ADVANTAGES- No need to add cow dung & molasses for commissioning. Fast development of active biomass. Efficiency will be minimum 70 %

### 2) TIME REQUIRED FOR AEROBIC TANK COMMISSIONING ONLY - 07 DAYS

ADVANTAGES No need to add cow dung & molasses for commissioning. Fast development of active biomass. Efficiency will be minimum 70 %  
**ABOUT - 07 DAYS**