



ENVIRO-ZYME INTERNATIONAL, Incorporated

P.O. BOX 169 • STORMVILLE, NEW YORK 12582

70734

February 27, 2001

Ms. Alison Hess
Hudson River PCB's Public Comment, U.S.
Environmental Protection Agency
290 Broadway
New York, NY 10007

Dear Ms. Hess;

Enviro-Zyme International, Incorporated is a manufacturer of microbial cultures and the sole source distributor of our products for wastewater treatment and bioremediation. All of our products are non-toxic, biodegradable, non-corrosive and non-volatile.

"M" contains sufficient microorganisms which can degrade Polychlorinated Biphenyl's (PCB's). The microorganisms can degrade in oxic and anoxic conditions for the decomposition of organohalides. This is accomplished by our highly cultivated microbes as compared to wild (less potent) naturally occurring indigenous microorganisms normally found in the environment.

"M" is the first successful commercial microbial product for the degradation of PCB's.

Enclosed is literature on "M". If you have any further questions, please do not hesitate to contact me. Thank you for your time and consideration.

Environmentally yours,

Jay Silverstein
President

JS:saa
Enclosures

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"M" is a potent combination of billions of viable organisms per gram, that are engineered to degrade a great variety of troublesome pollutants.

"M" contains sufficient types of microorganisms which can degrade Polychlorinated Biphenyls (PCB's) and Polynuclear Aromatic Hydrocarbon (PAH's) chemical pollutants. It contains Microflora that can survive on the pollutant waste substance alone and are able to utilize it as a sole source of carbon. The microorganisms can degrade in oxic and anoxic conditions for the decomposition of organohalides. They are also extremely resistant to toxic effects associated with the physiochemical characteristics of PCB's.

"M" is able to sustain growth over a wide range of temperatures from 113°F (45°C) to temperatures approaching refrigeration on a large number of organohalides.

"M" is non-toxic, biodegradable, non-corrosive and non-volatile.

DIRECTIONS

OIL/WATER SEPARATORS: Reduces effluent COD, degrades PCB's, petroleum and solvents, keeps floats and valves clean, reduces odors.

Up to 4999 gal - 1/2 lb. 5000-24999 gal - 1 lb.
25000-99999 gal - 1-1/2 lbs. 100000 or larger - 2 lbs.
Dosages are dependent of COD readings, the above estimates may vary.

SEWER MAINS AND LATERALS: Reduces odors caused from PCB's, petroleum and solvents, reduces chemical plumes.

8" - 1/2 lb. 12" - 1 lb.
16" - 1 1/2 lbs. 20" - 2 lbs.
24" - 2 1/2 lbs.

LIFT STATIONS, WET WELLS, SUMP PITS AND INJECTOR PITS: Degrades PCB's, petroleum and solvents, keeps floats and valves clean, reduces odors.

1/2 lb. /up to 1/2 MGD 1 lb. / 1 MGD
1 1/2 lbs./ 5 MGD 2 lbs./ 10 MGD
2 1/2 lbs./ 25 MGD 3 lbs./ 50 MGD

IMHOFF, EQUALIZATION TANKS & PRIMARY AND SECONDARY CLARIFIERS: Reduces PCB's, petroleum and solvent odors, degrades petroleum and solvent plumes, reduces COD.

1/2 lb. /up to 1/2 MGD 1 lb./ 1 MGD
1 1/2 lbs./ 5 MGD 2 lbs./ 10 MGD
2 1/2 lbs./ 25 MGD 3 lbs./ 50 MGD

"M"

MICROORGANISMS FOR THE DEGRADATION OF POLYCHLORINATED BIPHENYLS AND POLYNUCLEAR AROMATIC HYDROCARBONS

RECOMMENDED DOSAGE: _____

DATE: _____

PRICE QUOTE: _____

NET CONTENTS: _____

FOR INDUSTRIAL OR INSTITUTIONAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

CAUTION: WASH THOROUGHLY AFTER USE. EXCESSIVE
DUST MAY CAUSE EYE AND SKIN IRRITATION.

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Stormville, New York 12582

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DIRECTIONS CONT...

AERATION TANKS, TF's, RBC's, LAGOONS: Degrades PCB's, petroleum and solvent plumes, reduces COD and odors.

1/2 lb./up to 1/2 MGD 1 lb. / 1 MGD
1 1/2 lbs./ 5 MGD 2 lbs./ 10 MGD
2 1/2 lbs./ 25 MGD 3 lbs./ 50 MGD

DIGESTERS, SLUDGE TANKS: Reduces PCB's, COD, reduces petroleum/solvent blankets.

1 lb. / 1-5 tons of sludge 2 lbs. / 6-25 tons of sludge
3 lbs./ 26-50 tons of sludge 4 lbs. / 51-75 tons of sludge
5 lbs./ 76-100 tons of sludge

SOIL CONTAMINATION, BIOFARMING: Mix 1/2 lb. of "M" with sufficient water to treat one ton of soil (approx. 1 cu. yd.). With a 60°-90° low pressure coarse spray nozzle, saturate the contaminated area. Make sure slurry is kept mixed. For areas greater than five inches in depth, the soil should be tilled once per week.

BIOPILE, STATIC PILE, VACUUM PUMP: Mix 1/2 lb. of "M" with sufficient water to treat one ton of soil (approx. 1 cu. yd.). With a 60°-90° low pressure coarse spray nozzle, saturate the contaminated area. Make sure slurry is kept mixed.

IN SITUATION (IN-SITU): Mix 1/2 lb. of "M" with sufficient water to treat one ton of soil (approx. 1 cu. yd.). Pour slurry into perforated piping to saturate the soil.

BIOSLURRY: Use 1/2 lb. of "M" per ton of sludge or soil to be treated. Add directly to Bioslurry Reactor.

AQUEOUS CONTAMINATION: Liquid should be diverted and/or pumped through a Biotreater or Bioreactor, where mixing and/or oxygen is added to the system. Add 1lb. of "M" for every 50,000 gallons of water to be treated.

BIOSTIMULATION: Use 2 lbs. of "M" per 100,000 gallons of water to be treated. Add directly to the Biotreater or Bioreactor.

**DOSAGES MAY VARY UNDER SOME
ADVERSE CONDITIONS, PLEASE
CONTACT YOUR TECHNICAL
REPRESENTATIVE.**