

WASTEWATER *Solutions*



State Bio-Mate Biological Catalyst

- Increases metabolic and reproductive rates of bacteria to maintain water clarity
- Speed the rate of biological oxidation to degrade compounds
- Delivers faster results for reduction of bottom solids in wastewater lagoons to restore capacity



CARE FOR WORK ENVIRONMENTS®

State Bio-Mate

Biological Catalyst

HOW DOES BIO-MATE WORK?

State Bio-Mate is a humate extraction of rare earth deposits that can be used in conjunction with any of State's bacterial products. Bio-Mate provides "growing pods" that increase the metabolic and reproductive rates of bacteria to provide better results in a shorter period of time. It is particularly effective in lift stations where heavy FOG (fats, oils and greases) is an issue or for wastewater lagoons to help reduce bottom solids. Bio-Mate can be slug fed or timed-in using a State's 24/7™ automatic pump system.

DIRECTIONS:

Lift Stations: Bio-Mate should be fed in at a 1:1 ratio with State Pit Raider™ or Ecolution® Drain Line Maintainer. If using Block Worx BCT for upstream treatment, Bio-Mate can be fed directly into the lift station downstream from the feed points.

Lagoons: Bio-mate should be fed in at a 1:1 ratio with Pit Raider.

Consult your State Account Manager for additional instructions.

TECHNICAL DATA:

PHYSICAL PROPERTIES

APPEARANCE: brown/black Liquid

STORAGE CONDITIONS: store in a cool, dry location

ODOR: earthy/mild

DOT HAZARD INFORMATION: not regulated

WEIGHT: 8.51lbs/gal

BIOLOGICAL PROPERTIES

BACTERIA COUNT: minimal

TYPES OF BIOLOGICAL ENZYME PRODUCTION: Alpha-Amylase, Lipase, Protease, Cellulase, Ammonia Assimilation, Reductase, Xylanase, Urease

CATALYZES THE BREAKDOWN OF: proteins, starches, fats, oils and greases

OPERATING PARAMETERS

TEMPERATURE RANGE: same as water

pH RANGE: 6.5 - 8.0

OTHER STATE WASTEWATER TREATMENT PRODUCTS



Pit Raider™
Hydrogen Sulfide and
Sludge Treatment



PrimeZyme™
Liquid Bacterial Enzyme
Treatment



**Ecolution® Drain Line
Maintainer**
Bacterial Lift Station
Maintainer



Block Worx™ BCT
Time Release Bacteria Block

PACKAGING

125301
125300

55 GL Drum
5 GL Pail



State Industrial Products
5915 Landerbrook Drive
Mayfield Heights, OH 44124
To Order Call: 1-866-747-2229
www.statechemical.com

Canada
6935 Davand Drive
Mississauga, Ontario L5T 1L5
To Order Call: 1-800-668-6513

Puerto Rico
Royal Industrial Park, Bldg "M"
Local #5, Carr 869, km 1.5 Palmas
Cataño, P.R. 00962
To Order Call: 787-275-3185

