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## CHM-BEC-200 For Industrial Use PRODUCT BULLETIN

### GENERAL DESCRIPTION

**CHM-BEC 200** is a high potency, bacteria-laden, powdered formulation for use in degrading many types of waste. **CHM-BEC 200** contains a specially formulated blend of microorganisms, micro/macronutrients, and surface tension suppressants/penetrants, developed for use in bioaugmentation. The safe, naturally occurring bacteria are present in high numbers to handle difficult industrial wastewater organic problems.

### ADVANTAGES:-

Greatly reduces labor time  
Reduces hydrogen sulfide  
Cost effective/Easy to use  
No special equipment needed  
Breaks down fat & grease buildup  
Contains facultative anaerobes  
Discharge compliance is maintained

Enhances BOD/COD removal  
Reduces sludge build-up  
Degrades a wide range of complex organics  
Increases system efficiency  
Eliminates malodors at their source  
Changes biomass dynamics  
contains no chemicals

### APPLICATIONS:-

WASTE WATER PLANTS  
SHIP BILGE'S OXIDATION DITCHES  
LIFT STATIONS  
SEWERS  
DRAIN LINES  
STATIC PONDS

SEWAGE LAGOONS  
GREASE TRAPS  
SEPTIC SYSTEMS  
COLLECTION SYSTEMS  
HOLDING TANKS  
ACTIVATED SLUDGE

**DEGRADES:-**

Phenols	Proteins	Soaps
Sludge Volume	Odor Sources	Ammonia
Cellulose	Surfactants	Fats, Oil, & Grease
Starches	BTEX	Chemicals

**ENZYMATIC ACTIVITY:-**

Protease (Casein Digesting).....	Units/Gram: 35,000 Min
Amylase (Modified Wohlgemuth).....	Units/Gram: 55,000-80,000
Lipase (USP).....	Units/Gram: 400
Cellulase (CAU).....	Units/Gram: 150 Min.

**PACKAGING:-**

CHM-BEC 200 is packaged in 10kg/drums and is also available in various sizes of Bio-Pouches.

# CHM-BEC 200 TECHNICAL DATA

## TYPICAL PROPERTIES

Appearance.....light tan  
Fragrance.....mild-earthy  
Form.....powder  
pH.....6.8-8.5  
Shelf-Life.....2 years/u.o.c.  
Flash Point.....none

## PERFORMANCE PROPERTIES

Effective pH range.....5.2 - 9.5  
Effective Temperature Range.....35-130 deg. F (2 – 5 deg. C)  
Bacterial Enzyme Production.....Protease, Lipase, Amylase, Urease, Cellulase

## STORAGE AND HANDLING

Storage.....Store in a cool, dry place  
Handling.....Wash hands thoroughly with warm, soapy water after  
handling

## BACTERIAL COUNT

CHM-BEC 200.....5.0 Billion ( $5 \times 10^9$ ) cfu per gram