

MOMAR

BEC 207

Bacterial Enzyme Powder Concentrate High Impact Grease Digester

BEC-207 is a high potency, bacteria-laden formulation for use in degrading many types of organic waste. **BEC-207** contains a specially formulated blend of micro-organisms, micro/macronutrients and surface tension suppressants/penetrants. Because of the diversity of the micro-organism systems incorporated into this product, it is excellent for food processing uses which require a particular high impact on fats, oils and greases.

ADVANTAGES

Greatly reduces labour time. Enhances BOD/COD removal. Reduces hydrogen sulfide & sludge buildup. Changes biomass dynamics. Cost effective/easy to use. Degrades a wide range of complex organics. Increases system efficiency. Eliminates malodours at their source. Discharge compliance is maintained. Breaks down fat & grease buildup. Contains no toxic chemicals.

APPLICATIONS

SEWER MAINS	HOLDING TANKS	LIFT STATIONS
WASTE WATER PLANTS	SLUDGE TANKS	FOOD PROCESSING PLANTS
DIGESTERS	CLARIFIERS	ACTIVATED SLUDGE
LAGOONS	WASTE SUMPS	COLLECTION SYSTEMS

DEGRADES

Fats, oils & grease	Starches	Proteins
Odours from grease build-up	Animal fats	Triglycerides
Foaming	Surfactants	Soaps

ENZYMATIC ACTIVITY

Protease (Casein Digesting)	Units/gm: 35000 min.
Amylase (Modified Wohlgemuth)	Units/gm: 55000 - 80000
Lipase (USP)	Units/gm: 400
Cellulase (CAU)	Units/gm: 150 min

TYPICAL PROPERTIES

Appearance:	light tan powder
Fragrance:	mild, earthy
pH:	6.8 - 8.5
Shelf-Life:	2 years (under normal operating conditions)
Flash Point:	none

PERFORMANCE PROPERTIES

Effective pH range: 5 - 9.5
Bacterial Enzyme Production: Facultative growth, with or without oxygen

STORAGE AND HANDLING

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

MICROBIOLOGICAL INFORMATION

Contents: Multiple adapted micro-organisms (5.2 billion cfu's per gm)
Growth Stimulants: Micro & Macro nutrients
Effective Temp Range: 8 - 43°C

DOSAGE RATE INFORMATION

TRICKLING FILTERS: Reduces BOD, suspended solids, improves settling, promotes growth, and reduces ponding.

SEPTIC TANKS/LAGOONS/LIFT STATIONS: Aids in settling, reduces scum, reduces BOD, decreases turbidity, and reduces odours. Promotes growth, reduces COD.

SECONDARY CLARIFIERS: Reduces scum, improves settling, decreases turbidity.

OXIDATION TANKS/AERATION TANKS: Reduces BOD, suspended solids, improves settling.

DOSAGE RATE (per volume treated)

500gm 4 million litres per day
1 kg 40 million litres per day
1.5kg 100 million litres per day
2 kg 200 million litres per day

SEWER MAINS & LATERALS (size vs dosage)

15cm -115gm	20cm - 250gm	30cm - 450gm	40cm - 680gm
50cm -1kg	60cm - 1130gm	70cm - 1360gm	80cm - 1600gm

SUPPLIED BY:

MOMAR
Div CanSA (Pty) Ltd
Tel: 08000 12053 • Fax: 021-6913898
Email: info@momar.co.za