



順藝機械工程有限公司
SOON NGAI ENGINEERING SDN BHD

NO 21, 23, 25 & 27, JALAN PBS 14/8, TAMAN PERINDUSTRIAN BUKIT SERDANG,
43300 SERI KEMBANGAN, SELANGOR, WEST MALAYSIA

TEL : 603-8945 1067 FAX : 603-8945 1064 / 8941 6270

E-MAIL : enquiry@soonngai.com

WEBSITE : www.soonngai.com

BEC-207 High Impact Grease Digester **PRODUCT DATA SHEET**

BEC-207 High Impact Grease Digester is a high potency, bacteria-laden, powdered formulation for use in degrading many types of waste. BEC-207 contains a specially formulated blend of microorganisms, micro/micronutrients, and surface tension suppressants/penetrants.

BEC 207 contains a blend of select microorganisms with a specification of 5.2×10^9 (billion) microorganisms per gm. Because of the diversity of the microorganism systems incorporated into this product it is excellent for **food processing uses for which there requires a particular high impact on fats, oils, and grease.** The safe, naturally occurring bacteria are present in high numbers to handle difficult organic problems and are very economical to use.

*Bacillus Amyloliqueofaciens

*Bacillus Lichenformis

*Bascillus Subtillis

*Bascillus Brevis

ADVANTAGES:-

Greatly reduces labor time

Reduces hydrogen Sulfide

Cost effective/Easy to use

No special equipment needed

Breaks down fat & grease buildup

Changes biomass dynamics

Degrades a wide range of complex organics

Enhances BOD/COD removal

Reduces sludge buildup

Discharge compliance is maintained

Increases system efficiency

Eliminates malodors at their source

Contains no toxic chemicals

APPLICATIONS:-

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

DEGRADES:-

Fats, Oil & Grease	Starches	Proteins
Odors From Grease Build-Up	Animal Fats	Triglycerides
Foaming	Surfactants	Soaps

ENZYMATIC ACTIVITY:-

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

PACKAGING:-

BEC 207 is packaged in 30-lb & 100-lb drums and is also available in (60 X ½-lb or 227-gram) “Bio-Pouches”

BEC-207 TECHNICAL DATA

TYPICAL PROPERTIES

Appearance..... light tan
Fragrance.....mild-earthy
Form.....free flowing powder
pH.....6.8 - 8.5
Shelf Life.....2 years from the date of manufacture.
Flash Point.....none

PERFORMANCE PROPERTIES

Effective pH range.....5.2 - 9.5
Effective Temperature Range.....35 -130 degrees F (2 – 55 deg. C)
Bacterial Enzyme Production.....Protease, Lipase, Amylase, Urease, Cellulose

STORAGE AND HANDLING

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

BACTERIAL COUNT

BEC-207.....5.2 Billion (5.2×10^9) per gram