

CHEMTECH'S BEC-207 High Impact Grease Digester

PRODUCT DATA SHEET

CHEMTECH'S 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 Amylolyqueofaciens
- *Bacillus Lichenformis
- *Bascillus Subtillis
- *Bascillus Brevis

ADVANTAGES

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|---|-------------------------------------|
| Greatly reduces labor time | Enhances BOD/COD removal |
| Reduces hydrogen Sulfide | Reduces sludge buildup |
| Cost effective/Easy to use | Discharge compliance is maintained |
| No special equipment needed | Increases system efficiency |
| Breaks down fat & grease buildup | Eliminates malodors at their source |
| Changes biomass dynamics | Contains no toxic chemicals |
| Degrades a wide range of complex organics | |

APPLICATIONS

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|---------------------------|-------------------------------|-------------------------|
| 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 1/2-lb or 227-gram) "Bio-Pouches"

BEC-207 TECHNICAL DATA

TYPICAL PROPERTIES

Appearance..... light tan
Fragrance.....mild-earthly
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