

NORWECO.
NORWALK WASTEWATER EQUIPMENT COMPANY

BIO-GEM®

GREASE ELIMINATING MICROBES

**A Liquid Bio-Enzymatic Organic Digester
For Grease, Fats and Oils**

Bio-Gem® is a patented blend of cultured bacteria, aggressive enzymes and natural growth accelerators developed to effectively digest grease, fats and oils in wastewater treatment systems, lift stations, sand filters, drain lines and grease traps. Regular use of Norweco's **Bio-Gem®** can reduce or eliminate costly line plugs, pump outs and municipal surcharges. Maintenance procedures that involve jetting of clogged lines or the use of harsh commercial degreasers often damage equipment and contaminate groundwater. Completely safe, effective and convenient to use, Norweco's **Bio-Gem®** is a natural way to eliminate grease, fats and oils throughout your treatment system.





BIO-GEM®

LIQUID BIO-ENZYMATIC ORGANIC DIGESTER

GENERAL INFORMATION

Bio-Gem® is a patented Bio-Enzymatic product specifically formulated to digest grease, fats and oils in wastewater treatment systems, lift stations, sand filters, drain lines and commercial grease traps. When used as directed, **Bio-Gem's** bacterial action will quickly and effectively convert common grease, fats and oils into carbon dioxide and water. With regular applications, **Bio-Gem®** eliminates odors, stabilizes effluent quality, significantly reduces system maintenance and minimizes costly tank pump-outs.

The multifaceted treatment provided by **Bio-Gem®** is achieved through the use of recently developed biological techniques that combine concentrated spore forming microorganisms, aggressive enzymes and natural growth accelerators into a stable, easy to use liquid. Norweco's three fold formulation provides an advanced method of actually treating and eliminating grease, fats and oils instead of merely emulsifying them and sending the problem downstream.

Bio-Gem® will accelerate the digestion of grease, fats and oils under either the aerobic or anaerobic conditions that exist in drain lines, grease traps, wet wells and lift stations. Continuous treatment with **Bio-Gem®** has been shown to be significantly more effective than competitive products. This results in lower treatment costs, dramatically reduced pumping frequency and less system maintenance.

FEATURES

- Environmentally safe when used as directed
- High bacteria count
- Multifaceted biological blend provides complete treatment
- Economical and easy to use
- Works in aerobic or anaerobic conditions
- Long term storage stability (2 to 4 years)
- Eliminates odors
- Fast acting
- Reduces maintenance and pumping frequency

SPECIFICATIONS

Bacteria Count:	550 Billion/Gallon
Appearance:	Blue liquid
Fragrance:	Herbal scent
Type:	Aerobic and Anaerobic Pathways
Form:	Spore
Gram Positive:	100% (Salmonella and Shigella Free)
Standard Packaging:	Gallon bottles (4-1 gallon bottles per case)
Shelf Life:	2 to 4 years

APPLICATION AND DOSAGE

Bio-Gem® is an easy to use concentrated liquid which can be dosed directly into the system. Application rates for **Bio-Gem®** are dependent upon the type of system being treated, its condition, and flow through the system. Basic application rates for drain lines start at 10 to 12 oz. per day. For medium volume grease traps (65-200 cubic feet), a rate of 18 to 20 oz. per day is recommended. Lift stations, wet wells, and wastewater treatment plants are dosed at the ratio of 18 to 25 oz. per 10,000 gallons of flow. For severely fouled systems contact your local **Bio-Gem®** distributor or Norweco, Inc. for the best application rate for your system.

CONDITIONS FOR USE

Bacteria in **Bio-Gem®** perform within a pH range of 5.5 to 9.0 with an optimum pH range of 6.5 to 7.8. Temperature affects the biological activity of the formulation with digestive action increasing up to 140°F. Reduced activity may be expected below 50°F.

STORAGE AND HANDLING

Storage:	Store in a cool dry place Protect from freezing
Handling:	Avoid excessive inhalation Wash hands thoroughly with warm soapy water after handling

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DISTRIBUTED BY:

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