

QST 296415

MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

PRODUCT NUMBER: 296  
IDENTITY: DIGEST PLUS

Revision Date: 04/03/2003

Section I

Manufacturer's Name: QUEST CHEMICAL CORPORATION  
Address: 12255 FM 529  
NORTHWOODS INDUSTRIAL PARK  
HOUSTON  
State: TX Zip Code: 77041

Telephone Numbers:  
Emergency: 800/255-3924  
Information: 713/8968188

HMIS CODES: REACTIVITY: 0 FLAMMABILITY: 0 HEALTH: 0 PERSONAL PROTECT: A

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the ingredients contained in this product are listed on the TSCA inventory.)

Name	Cas No.	OSHA PEL	ACGIH TLV	OTHER LIM	%
NONHAZARDOUS					

Comment:

THIS PRODUCT IS CLASSIFIED AS NONHAZARDOUS IN ACCORDANCE WITH THE HAZARD COMMUNICATION STANDARD, 29CFR 1910.1200

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	212	Specific Gravity (water=1)	1.00
Vapor Pressure (mm Hg)	18	Melting Point:	N/A
Vapor Density (AIR=1)	>1	Evaporation Rate:	<.01
Solubility in Water:	100%	(Butyl Acetate=1)	
Appearance and Odor: GREEN LIQUID, FLORAL ODOR			

Section IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NONE      Flammable Limits: LEL: N/A      UEL: N/A  
Extinguishing Media: NONE  
Special Fire Fighting Procedures: NONE

Unusual Fire and Explosion Hazards: NONE

Section V: REACTIVITY DATA

PRODUCT NUMBER: 296

Stability: Unstable: Conditions to avoid:  
Stable: X N/A  
Incompatibility (Materials to Avoid): NONE KNOWN

Hazardous Decomposition or Byproducts: NONE KNOWN

Hazardous Polymerization: May Occur: Will Not Occur: X  
Conditions to Avoid: N/A

Section VI: HEALTH HAZARD DATA

Routes of Entry: Inhalation: NO Skin: NO Ingestion: YES  
Health Hazards (Acute and Chronic):  
EYES: IRRITANT

Carcinogenicity: NTP: NO IARC Monographs: NO OSHA Reg: NO  
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS ABOVE

Medical Conditions Generally Aggravated by Exposure: NONE KNOWN

Emergency and First Aid Procedures: EYES: RINSE THOROUGHLY WITH WATER.  
IF IRRITATION PERSISTS CONTACT PHYSICIAN. INGESTION: CALL PHYSICIAN.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: WASH UP SPILL  
USING ABSORBENT CLAY MATERIAL OR MOP. WASH AREA WITH SOAP AND WATER.  
DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL GUIDELINES.

Waste Disposal Method: DISPOSE OF IN A SANITARY LANDFILL, OFFER DRUM FOR  
RECYCLING. PAILS AND SMALLER CONTAINERS SHOULD BE RINSED AND PLACED IN  
TRASH COLLECTION.

Precautions to be Taken in Handling and Storing: STORE IN A COOL DRY  
AREA. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: N/A

Section VIII: CONTROL MEASURES

Respiratory Protection: N/A  
Ventilation: Local Exhaust: N/A  
Mechanical: N/A Special: N/A  
Other: N/A  
Protective Gloves: N/A  
Eye Protection: SAFETY GLASSES ARE RECOMMENDED WHEN USING CHEMICAL PRODUCTS  
Other Protective Clothing or Equipment: N/A  
Work/Hygienic Practices: WASH HANDS AFTER USE



# DIGEST PLUS

## ENZYME PRODUCING NON-PATHOGENIC AEROBIC & ANAEROBIC BACTERIA

### DESCRIPTION

DIGEST PLUS is a USDA authorized concentrated blend of living aerobic and anaerobic bacteria specially selected and adapted for their ability to produce large amounts of amylase, protease, cellulase and lipase enzymes important in degrading common sanitary wastes. The bacteria are considered "new generation" and are impervious to bleach, disinfectants and acids. This product can be used successfully in drains, grease traps and septic tanks to quickly degrade wastes and reduce odors. **Note:** This product performs best within a pH range of 5.5 – 8.5 and a temperature range of 50 – 100° F. Extremes of pH and temperature, as well as wide shifts in either parameters over a short period of time should be avoided. Cold temperatures reduce the effectiveness of the product and no bacteria activity can be expected below 40° F.

### APPLICATIONS

This living bacteria is excellent for use in hotels/motels, restaurants, meat markets, homes, schools, institutions, marinas, homes and office buildings. It's uses include grease traps, drain lines, down pipes, porta toilets, recreational vehicles, carpeting, septic tanks and wet wells.

### FEATURES & BENEFITS

- Effective. High activity enzymes solubilize grease, fats, proteins and starches.
- Nonacid, non-alkaline, noncorrosive. Will not harm plumbing fixtures or garbage disposals.
- Lessens need for septic tanks, cesspools, and Imhoff tanks.

### SPECIFICATIONS

FORM: Liquid  
 ODOR: Floral  
 COLOR: Emerald Green  
 DETERGENCY: Mild  
 TOXICITY: Non-Hazardous  
 WETTING ABILITY: Excellent  
 STORAGE STABILITY: 1 year +  
 COLD STABILITY: 32° F  
 PHOSPHATES: None

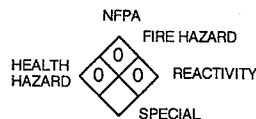
FLASH POINT: None  
 BOILING POINT: 212° F  
 SOLUBILITY IN WATER: 100%  
 SPECIFIC GRAVITY: 1.0  
 % VOLATILE BY VOLUME: 95%  
 pH: 9.0  
 VISCOSITY: Thin  
 EVAPORATION RATE: Slow  
 BIODEGRADABILITY: Yes

### LABEL INFORMATION

**DIGEST PLUS**  
**ENZYME PRODUCING**  
**NONPATHOGENIC BACTERIA**

This product contains 7 strains of nonpathogenic bacteria that produce enzymes necessary for degradation of soils, organic oils, and food by-products from grease traps, septic tanks, downpipes, drain lines, portable toilets, recreational vehicles, sump pumps, marinas, wet wells. Reduces odors and suspended solids. Contains no acid or caustics and is nonpolluting. This product can also be used after treatment with sulfuric acid drain openers to prevent future clogging and residual hydrogen sulfide odors. **DIRECTIONS FOR USE: DRAIN LINES AND DOWN PIPES:** Use 2 times weekly, to a maximum of 4 times depending on the usage of the building. Add product in amounts listed below, start on the lowest floor and work up at the rate of one floor per day. Do not treat the same floor twice. When the top floor is reached continue treatment for the top floor only. **Dosage:** 2 oz. per 2 inches of pipe diameter. **Frequency:** 2 times per week. This product should be used after a Sulfuric Acid Drain Opener. This flushes the system completely, activates the natural digestive processes, prevents future clogging and eliminates Hydrogen Sulfide fumes caused by Sulfuric Acid. **GREASE TRAPS:** For traps with less than 20 cubic feet capacity, add 4-5 oz. daily by pouring in a sink or pipeline closest to the trap. This should be done at night or when the traps are used the least. After adding, flush down with a cup of lukewarm water. For grease traps larger than 20 cubic feet, add 8-10 oz. daily using the same procedure. **SEPTIC TANKS:** Add 1 pint per 25 cubic feet capacity (7.5 gal./cu. ft.) for the initial treatment. Thereafter, use 8 oz. per week. This should be poured directly into toilet and flushed. If septic tank has become clogged or odorous, add 1 gallon of product directly to the tank through the manhole. **RECREATIONAL VEHICLES AND BOATS:** Add 2 oz. per gallon of water in hold tank. Thereafter use 1 oz. per gallon as needed. For use at a dump station, use 1 oz. per 50 gallons of tank capacity. Use one pint per week for maintenance. **URIC ACID:** Remove as much solid matter as possible. Spray area where odor is originating, usually the urinals, toilets, carpets or floor and wall area around washroom. **PRECAUTIONARY NOTE:** When using on carpet test product in an inconspicuous area and allow to dry. If carpet is discolored, contact supplier before using. Do not over saturate carpet. Do not use in combination with any other chemical(s). **PORTA-TOILETS:** Add one gallon (4 quarts) directly. Cover the solids with water to aid digestion. **WASTEWATER PLANTS:** Start with 10 gallons of product per 1,000,000 gallons wastewater per 24 hour period. If necessary, increase dosage by 2.5 gallons product per million gallons water until the desired results are achieved. **CAUTION:** Keep out of reach of children. Do not take internally. Avoid getting in eyes or open wounds. Keep out of sunlight. Avoid exposure to extremely hot or boiling water, disinfectants or chlorinated compounds. **CONTAINS:** Water (CAS# 7732-18-5), Bacteria (CAS# N/A)

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
PERSONAL	A



### PACKAGING INFORMATION

Available in quarts (12/cs), gallons (4/cs), 55 gallon drum, 35 gallon drum, 20 gallon drum, 5 or 6 gallon pail.