

Odor-Point Enzymes

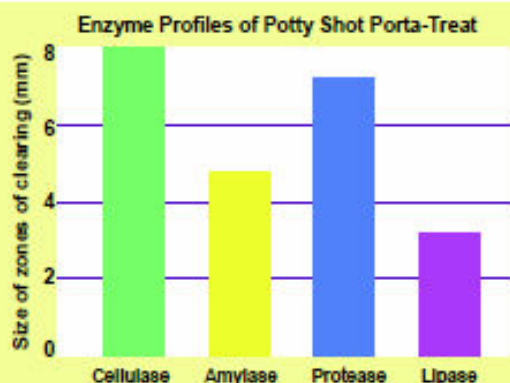
The Next Generation of Bioenzymatic Cleaning Solutions



Porta-Treat Concentrate For Portable Toilets and Recreational Vehicles (RV) & Marine Holding Tanks

Potty Shot Porta-Treat Concentrate is a multiple spore blend formulation specifically designed for use in portable toilets, recreational vehicles (RV) and marine holding tanks to accelerate the biodegradation of organic waste while reducing odor. In their natural environment, bacteria produce hundreds of enzymes in response to the organics present in their environment. They produce extracellular enzymes that break down proteins, starches, fats, oils, greases and toilet tissue into smaller particles outside the bacterial cell. The bacteria then transport the smaller particles across their cell membrane for use as an energy source and for building of new cellular components. Since bacteria detect the organics present as potential food and produce specific enzymes to break down these organics, it is a very efficient system.

Septic tanks, holding tanks and other waste systems are nutrient rich systems for bacteria. Although many bacteria can utilize these organics as food sources, it is the bacteria with the most rapid production of these key enzymes that provide the most dramatic effects.



A given quantity of microbial culture is spotted onto a disk that is placed on a Petri plate containing a solid media (substrate) that allows visualization of an enzyme reaction. As the targeted enzyme is produced and diffuses throughout the media, a "zone of clearing" is created where the substrate is broken down by the enzyme. The zones of clearing are measured from the edge of a microbial colony outwards to the edge of the zone of clearing. The Potty Shot Porta-Treat consortium demonstrates excellent amylase, cellulase, lipase and protease enzyme production.

Recommended Application

- Add 8-ounces to every 5 gallons of water in portable toilets, RV or marine holding tanks.

Benefits

- Provides long-term odor control by removing the organics that cause odors and preventing the return of odor-causing compounds.
- Powerful, easy-to-use concentrate for rapid waste degradation and immediate odor control.
- Safe, natural replacement for formaldehyde and quaternary compounds.

Features

- A stable consortium of safe *Bacillus* spores.
- Production of multiple enzymes providing a wide range of degradation capabilities.
- A synergistic blend that works to provide superior performance in treatment and maintenance of portable toilets, RV and marine holding tanks and odor control applications.
- Excretion of high levels of amylase, cellulase, lipase and protease enzymes.
- A proprietary inhibitory system that provides excellent product stability and acts as an essential growth stimulant to promote germination and outgrowth of the microbial blend upon addition to a waste system.



TEC-Chem
Ideas To Solutions

MSDS

Material Safety Data Sheet

24 HR EMERGENCY # 1-(800) 535-5053

I. IDENTIFICATION

A. PRODUCT

1. Product Number: STEC-500
2. Product Name: Potty Shot
3. Chemical Family: Bacteriological cultures
4. Formula: Proprietary

B. COMPANY IDENTIFICATION

MANUFACTURED BY:
TEC-Chem LLC
30290 US Hwy 72
Hollywood, AL 35752
Tel: (800) 239-2143

II. HAZARDOUS INGREDIENTS N/A

III. HEALTH HAZARD INFORMATION

A. EMERGENCY & FIRST AID

1. **EYES:** Flush with clear water for 15 minutes. Seek Medical Attention
2. **SKIN:** Rinse off with soap & water. Remove contaminated clothing.
3. **INHALATION:** Remove subject to fresh air. Seek medical attention if allergic response.
4. **INGESTION:** Drink large volumes of clear water or milk to dilute. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

B. EFFECTS OF OVER EXPOSURE

1. **EYES:** Any vapor contact with eyes may cause irritation. Organisms are non pathogenic but can cause infection.
2. **SKIN:** Can cause redness in individuals with history of dermal allergic reaction.
3. **INHALATION:** Enzymes can cause allergic response.
4. **INGESTION:** No effect if ingested in small amounts. Irritation of mouth, pharynx, esophagus and stomach can develop.

IV. FIRE & EXPLOSION HAZARD DATA

- A. FLASHPOINT: N/A
B. EXTINGUISHING MEDIA: Water Spray, CO₂, Dry Chemical
C. SPECIAL FIRE PROCEDURES: None required
D. UNUSUAL FIRE & EXPLOSION HAZARDS: None

V. PHYSICAL DATA

Boiling point: 100C
Freezing Point: N/A
Specific Gravity: 1.02
Vapor pressure: Equiv. To Water
pH- 1% Solution :7.5-8.5
Solubility / Water: 100%
Color & Odor: White/Pleasant

VI. REACTIVITY DATA

- A. STABILITY: Stable
B. CONDITIONS & MATERIALS TO AVOID: None.
C. INCOMPATIBILITY: Strong acids, alkali, or oxidizing agents may inactivate biological cultures or enzymes
D. HAZARDOUS POLMERIZATION: Will not occur.
E. CONDITIONS TO AVOID: None

VII. SPILL, LEAK & DISPOSAL PROCEDURES

- A. STEPS TO BE TAKEN IN CASE OF SPILL:
1. Contain spill.
2. Dilute with plenty of water and neutralize with vinegar.
3. Wash all surfaces with clear water.
B. WASTE DISPOSAL METHOD:
Dispose of according to Federal, State and Local Regulations.

VIII. SPECIAL PROTECTION INFORMATION

- A. SPECIFIC PERSONAL PROTECTIVE EQUIPMENT
1. RESPIRATORY: Optional
2. EYES: Goggles
3. SKIN: Rubber gloves
4. OTHER: Apron if desired.
B. VENTILATION REQUIREMENTS: Local & Mechanical (General exhaust are adequate)

IX. SPECIAL PRECAUTIONS

- A. HANDLING & STORAGE: Keep container sealed when not in use. Protect from extreme changes in temperature. Keep product in original container.
B. OTHER: Triple rinse containers thoroughly with water before disposal. Do not re-use empty container. Follow label directions. Keep out of reach of children.

X. TRANSPORTATION REQUIREMENTS

FORMULA: Blend
DOT PROPER SHIPPING NAME: Non regulated
DOT ID: N/A
DOT HAZARD CLASS: N/A
DOT PACKAGING GROUP: N/A

The information presented herein is based on data considered to be accurate and that reflects the requirements of the OSHA hazard communication standards in effect as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the forgoing data and safety information. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product. Revised September 1999.