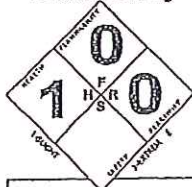


NFPA RATING
0 = none to
4 = hazardous rating



Bio Enzyme Drain Cleaner S-16907-C/D/O

DATE PREPARED: 07/01/08

DATE REVISED: 03/24/10

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MATERIAL SAFETY DATA SHEET (MSDS)

Per 29 CFR 1910.1200

SECTION I



PEN Products
Indiana Department of Correction
2010 E. New York Street
Indianapolis, Indiana 46201

Toll Free: (800) PEN-2550
Direct: (317) 955-6800

24-Hour Emergency Number - Chemtrec (800)424-9300

Identity (As listed on label): Bio Enzyme Drain Cleaner

HMIS Hazard Ratings:	
Health:	1
Flammability:	0
Reactivity:	0
PPE:	B

SECTION II - HAZARDS IDENTIFICATION

Emergency overview	Health injuries are not known or expected under normal use. No hazards resulting from the material as supplied. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Potential short term health effects	
Eyes	Contact with eyes may cause irritation.
Skin	Health injuries are not known or expected under normal use. Prolonged and/or repeated skin contact may result in mild irritation or redness.
Inhalation	Health injuries are not known or expected under normal use.
Ingestion	Do not ingest. Harmful if swallowed.
Potential environmental effects	This material is not expected to be harmful to aquatic life.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition comments	No dangerous ingredients according to Directive 2001/58/EC. The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.
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SECTION IV - FIRST AID MEASURES

First aid procedures	
Eye contact	Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops or persists.
Inhalation	Call a physician if symptoms develop or persist.
Ingestion	Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.
General advice	If you feel unwell, seek medical advice (show the label where possible).

SECTION V - FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media	Small Fires: Dry chemical, CO2, water spray or regular foam. Large Fires: Water spray, fog or regular foam.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Environmental precautions	Prevent further leakage or spillage if safe to do so.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Methods for cleaning up	Never return spills in original containers for re-use. Large Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dike far ahead of liquid spill for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated

SECTION VII - HANDLING AND STORAGE

Handling and Storage: Handle and open container with care. Store in cool place. Keep in a well-ventilated place. Use care in handling/storage. Keep from freezing. Keep at temperatures between 4 and 49° C.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment:
Eye /face protection: Avoid contact with eyes. Goggles.
Skin protection: Not normally needed. Wear impervious gloves for prolonged contact.
Respiratory protection: No personal respiratory protective equipment normally required.
General hygiene considerations: When using do not smoke. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Milky opaque
Color: White to off-white
Form: Liquid.
Scent: Light Citrus
Flammability threshold: Not available
Flash point: 8.65
Freezing point: Not available
Boiling point: 100° C Estimated
Flash point: > 212° F Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume: Not available
Flammability limits in air, upper, % by volume: Not available
Vapor pressure: Not determined
Vapor density: Not determined
Specific gravity: 1.006
Solubility (H2O): 100%
POC (Weight %): 0.1% estimated
Viscosity: Water thin

SECTION X - CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability: Stable at normal conditions
Conditions to avoid: Direct sources of heat. Do not freeze.
Incompatible materials: None Known.
Hazardous decomposition products: Carbon monoxide and carbon dioxide.
Possibility of hazardous reactions: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Further information: This product has no known adverse effect on human health.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Components of this product have been identified as having potential environmental concerns. This material is not expected to be harmful to aquatic life.

SECTION XIII - DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations [40 CFR 261.4 (b)(4)]. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

SECTION XIV - TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements:
 Not regulated as dangerous goods.
Department of Transportation (DOT) Requirements NON-BULK:
 Not regulated as dangerous goods.
ATA:
 Not regulated as dangerous goods.
MDG:
 Not regulated as dangerous goods.



PEN Products
Indiana Department of Correction

PRODUCT NAME: Bio Enzyme Drain Cleaner
PRODUCT NUMBER: S-16907-C/D/Q
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SECTION XV - REGULATORY INFORMATION

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200 hazardous chemical	
CERCLA (Superfund) reportable quantity	Yes
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	None
	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	Yes
International regulations	This product does not need to be labelled in accordance with EC directives or respective national laws.
State regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION XVI - OTHER INFORMATION

Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
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