

**BIO-CLEANSE**  
P.O. Box 405  
El Dorado CA 95623

Telephone number (530) 344-4518

Emergency Contact (530) 344-4518

CHEMTREC: 1-800-424-9300

**Material Safety Data Sheet**

Date: 11/07/2007

**SECTION I --- PRODUCT IDENTIFICATION**

NAME – BIO-DRAIN OPENER

PRODUCT CODE - 7002645

**DOT CLASS:** Non-regulated

**UN NUMBER:** NA

**PROPER SHIPPING NAME:** NA

**HMIS RATING**

<b>HEALTH</b>	<b>1</b>	<b>CANADIAN WHMIS CLASSIFICATION</b>	<b>D2B</b>
<b>FIRE</b>	<b>0</b>		
<b>REACTIVITY</b>	<b>0</b>		

**SECTION II --- INGREDIENTS**

ALL COMPONENTS APPEAR ON THE TSCA INVENTORY AND THE CANADIAN DSL LIST.

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>w/w%</b>	<b>OSHA TWA</b>	<b>ACGIH Ceiling</b>
Viable Bacterial Cultures	NA		NA	NA
Water	7732-18-5	80-85%	NA	NA
Tetra sodium ethylenediaminetetraacetate	64-02-8	2- 3%	NA	NA
Dodecyl benzene sulfonic acid	68584-22-5	10 - 12%	NA	NA
POE (6) tridecyl alcohol, Ethoxylated alcohol	78330-21-9	3 - 5%	NA	NA
Mixture containing; benzothiazolin 3 one sodium hydroxide propylene glycol	2634-33-5 1310-73-2 57-55-6	>1%	NA 2mg/m3 NA	2ms/m3
Lipase	9001-62-1	>1%	NA	NA
Subtilisin Carlsberg	9014-01-1	>1%	NA	NA
Contains FD&C blue#1 and FD&C yellow #5	NA	<1%	NA	NA

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### **SECTION III – PHYSICAL CHARACTERISTICS**

<b>Boiling Point</b>	Not known	<b>Appearance and Odor</b>	Green liquid, earthy odor.
<b>Bulk Density</b>	8.31	<b>Melting Point</b>	NA
<b>pH</b>	8.5 – 9.0	<b>Vapor Density</b>	No Data
<b>Vapor Pressure</b>	No Data	<b>Solubility</b>	Complete

### **SECTION IV – FIRE/EXPLOSION**

<b>Flash Point:</b>	NA
<b>Flash Point Method Used:</b>	NA
<b>LEL:</b>	NA
<b>UEL:</b>	NA

**Extinguishing Media:** Water spray, carbon dioxide or dry chemical powder.

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None known.

### **SECTION V – REACTIVITY DATA**

**Stable:** X      **Unstable:**

**Incompatibility:** Not known.

**Hazardous Decomposition or By Products:** Not Known.

**Hazardous Polymerization:** Will not occur.

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**SECTION VI – HEALTH HAZARD DATA**  
**Acute Health Affects**

<b>Routes of Entry:</b>	<b>Inhalation: Yes</b>	<b>Absorption: Yes</b>	<b>Ingestion: Yes</b>	<b>Eyes: Yes</b>
	<b>mist</b>			

**Eyes:** This product will cause eye irritation.

**Skin Contact:** Could cause skin irritation after prolonged contact.

**Inhalation:** Inhaling mist from this product could cause irritation to the respiratory system and cause allergic type reactions in individuals who are sensitive to enzymes.

**Ingestion:** Ingestion may result in abdominal pain, nausea and vomiting.

**Conditions to Avoid:** Strong acids or alkali compounds may inactivate biological cultures.

**Signs and Symptoms of Over Exposure:** Not known

**Aggravated Medical Conditions:** Persons sensitive to enzymes should avoid breathing mist from this product.

**Emergency First Aid Procedures**

**Eye Contact:** Rinse eyes with water for fifteen minutes, if irritation persists, see a physician.

**Inhalation:** Move person to fresh air and avoid breathing mist from product. If breathing problems develop, seek immediate medical care.

**Skin Contact:** Wash the product off the skin with soap and water; if irritation develops seek the care of a physician.

**Ingestion:** Watch victim for any signs of illness, induce vomiting only if advised by a physician.

**SECTION VII – SPILL OR LEAK PROCEDURE**

**Steps to be taken in case material is spilled or leaked:**

**Waste Disposal Method:** Contain and collect material, place in proper container for reuse or disposal. Dispose of materials in accordance with all federal, state and local laws.

**Precautions To Be Taken In Handling and Storage:** Store in a location away from children, food items and potable water.

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Store in an area out of the direct sunlight, keep container closed when not in use, avoid storing in a damp environment.

Always wash hands with soap and water before handling food or smoking.

Use good chemical hygiene practices when working with any chemical.

**Other Precautions:** None

## SECTION VIII – CONTROL MEASURES (PPE)

**Respiratory Protection:** None required for normal use. If misting is created from use wear a NIOSH approved respirator to control exposure.

**Protective Gloves:** Recommended. Disposable nitrile exam gloves are suitable for preventing prolonged contact with the skin.

**Eye Protection:** Safety glasses with side shields or splash goggles are recommended.

**Other Protective Clothing:** None required, however, avoid prolonged contact with the skin from soiled clothing.

**Ventilation:** Local exhaust should be sufficient. If used in a manner that creates a mist, mechanical ventilation may be necessary.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal, state and local laws.