

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND COMPANY INFORMATION

**Product Name:** Bio X Liquid Enzymes

**Product Use:** Enzyme Odour Control

**Product Code:** 7563

**Date of Issue:** 01-01-15

**Supplier:** BAY CITY SANITATION  
189 BROCK STREET  
BARRIE, ONT.  
L4N 2M3

**Telephone:** (705) 728-4332

**Emergency Phone:** 613-996 6666 (CANUTEC)

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Name	%	C.A.S.#	LC/50, Route,Species	LD/50, Route,Species
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Viabie Bacterial Cultures	10-30	7732-18-5	Not available	Not available
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Ethoxylated Alcohol	1-5	68131-39-5	Not available	3200 mg/kg Oral, Rat
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Viabie Bacterial Cultures (non-pathogenic)

## SECTION 3 - HAZARDS IDENTIFICATION

**Emergency overview:** Avoid contact with eyes.

**Route of Entry:** Eye contact, Skin contact, Inhalation, Ingestion

### EFFECTS OF ACUTE EXPOSURE:

**Eye:** Contact may cause mild to moderate irritation upon direct contact.

**Skin:** No adverse effects expected under normal conditions of use. Contact with abraded skin may result in infection.

**Inhalation:** No adverse effects expected under normal conditions of use.

**Ingestion:** May cause nausea, vomiting, and gastrointestinal irritation.

**Effects of chronic exposure:** Prolonged or repeated skin exposure can cause drying, defatting and dermatitis.

**SECTION 4 – FIRST AID MEASURES**

**Eyes:** Flush with water for 15 minutes. Seek medical attention if irritation persists.

**Skin:** Rinse with water for 10 minutes. Seek medical attention if irritation develops and persists.

**Inhalation:** Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. Rinse mouth with water. Then drink two or more glasses of water.

Do not give anything by mouth if victim is unconscious. Seek medical attention if symptoms persist.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point:** (deg C, TCC): None.

**Upper Flammable Limits:** Not applicable.

**Lower Flammable Limits:** Not applicable.

**Auto Ignition Temperature (°C):** Not available.

**Hazardous Combustion Products (under fire conditions):** Not available.

**Fire fighting media and instructions:** This product is a nonflammable substance.

Use extinguishing media that is appropriate for surrounding fire.

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautionary Measures:** Use appropriate personal protective equipment as specified in Section 8.

**Environmental Precautions**

**and Clean Up Procedures:** Before attempting clean up, refer to hazard data given above. Ventilate area of leak or spill. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Rinse with water to clean up residue and reduce possible slippery floor hazard.

**SECTION 7 – HANDLING AND STORAGE**

**Handling:** Use appropriate measures when handling product.

**Storage:** Keep out of reach of children. Store in closed containers only.

Store away from incompatible materials. Store in a cool, dry well-ventilated area not to exceed 50°C. Keep from freezing.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** General ventilation normally adequate to control airborne levels.

**Personal Protection:** The selection of personal protective equipment varies, depending upon conditions of use.

**Eyes:** Where direct eye contact may be a problem, use chemical splash goggles to avoid possible contact.

**Hands:** If prolonged/repeated contact occurs, use impervious (latex rubber) protective gloves.

**Skin:** No protective equipment is needed under normal use conditions.

**Respiratory:** Not normally required if good ventilation is maintained.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Name</b>	<b>Exposure Limit</b>
Viable Bacterial Cultures	Not available
Ethoxylated Alcohol	Not available

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Odour:** Clear hazy light green, citrus odour.

**Boiling Point:** (deg C):100

**Specific Gravity:** ((H<sub>2</sub>O =1)): 1.035

**Vapour Pressure:** (mm Hg): Not available.

**Freezing/ Melting point:** Not available.

**Vapour Density (AIR=1):** Not available.

**Evaporation Rate (Water=1):** Similar.

**Solubility in water:** Miscible.

**pH (as supplied):** 6

**Odour threshold:** Not available.

**Physical State:** Liquid.

**Viscosity:** Not available.

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability:** The product is stable.

**Conditions to avoid:** Not available.

**Incompatible Materials:** Strong-oxidizing agents.

**Hazardous Decomposition Products:** Not available.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Irritancy of Material:** See Section 3 for Potential Health Effects.

**Carcinogenic effects:** None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen.

**Teratogenic effects, Mutagenic effects, Reproductive Effects, Sensitization effects:** No data available.

**Synergistic materials:** Not available.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** There is no test data on this product.

**Environmental Fate:** There is no test data on this product.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Waste must be disposed of in accordance with Local, Provincial and Federal Regulations.

**SECTION 14 – TRANSPORTATION INFORMATION**

**T.D.G. CLASSIFICATION:** Not regulated.  
**TDG Proper Shipping Name:** -  
**Class** -  
**UN Number:** -  
**Packing Group:** -  
**Note:** No additional remark.

**SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** Class D - Division 2B: Material causing other toxic effects (Toxic).

**Canadian Domestic Substance List (DSL):** All the ingredients are listed.

**Additional Information:** This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required.

**SECTION 16 – OTHER INFORMATION**

**Date:** 01-01-15

**Prepared by:** Technical department

**DISCLAIMER:****NOTICE TO READER:**

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