
SECTION I - PRODUCT IDENTIFICATION AND PREPERATION INFORMATION

PRODUCT NAME: Bio-X Liquid Enzyme EFFECTIVE DATE: 12/21/2011

WHMIS CLASS: Class D - Division 2B CODE NO.: 7563

T.D.G. CLASSIFICATION: Not regulated under TDG

MANUFACTURER NAME AND ADDRESS: BAY CITY SANITATION

189 BROCK STREET

MSDS PREPARED BY SAME: BARRIE, ONT.

L4N 2M3

(705) 728-4332

EMERGENCY PHONE: CANUTEC (613) 996 6666

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS#	WT%	ACGIH-TLV	LC50	LD50
Viable Bacterial Cultures (non-pathogenic)	7732-18-5	7-13	Not available	Not available	Not available
Fragrance (Mixture of essential oils, alcohol's and esters, none greater than 1 %)	Not Available	1-5	Not Available	Not Available	Not Available

SECTION III- PHYSICAL DATA

BOILING POINT (DEG C): 100	SPECIFIC GRAVITY (H2O=1): 1.01
VAPOUR PRESSURE (mm Hg): Not available	PERCENT VOLATILE (WT%): >85
VAPOUR DENSITY (AIR=1): Similar	EVAPOURATION RATE (Water=1): Similar
SOLUBILITY IN WATER: Soluble	pH (AS SUPPLIED): 5.2-5.5
PHYSICAL STATE: Liquid	VISCOSITY: Not available
APPEARANCE AND ODOUR: Clear-hazy light green, citrus odour..	

SECTION IV- FIRE AND EXPLOSION DATA

FLAMMABILITY:	Not flammable
FLASH POINT:	Not applicable
LEL:	Not available
UEL:	Not available
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon.
MEANS OF EXTINCTION:	Dry chemical, carbon dioxide and alcohol foam.
SPECIAL FIRE HAZARDS:	None known to us at this time.

SECTION V- REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable
INCOMPATIBILITY: Strong acids or bases may inactivate cultures.
HAZARDOUS DECOMPOSITION: None known at this time.

SECTION VI- TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eye, skin contact, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: Contact can cause mild to moderate irritation..
SKIN: Contact with abraded skin may result in infection. Bacteria culture is non pathogenic.
INGESTION: May cause vomiting and headache.

EFFECTS OF CHRONIC EXPOSURE:

None known

IRRITANCY: Hazardous by WHMIS criteria.
RESPIRATORY TRACT SENSITIZATION: No data available
CARCINOGENIC EFFECTS: Insufficient data available
TERATOGENIC EFFECTS: Insufficient data available
MUTAGENIC EFFECTS: Insufficient data available
SYNERGISTIC MATERIALS: Not available

SECTION VII- PREVENTATIVE MEASURES

GLOVES: Latex rubber, or natural rubber.
EYE PROTECTION: Safety glasses to avoid possible contact.
RESPIRATORY PROTECTION: Not normally required.
OTHER PROTECTIVE EQUIPMENT: As required by employer codes.
ENGINEERING CONTROLS: General ventilation is normally adequate.
LEAK AND SPILL PROCEDURE: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal.
STORAGE REQUIREMENTS: Store in closed containers. Store away from incompatible materials. Keep out of reach of children.

SECTION VIII- FIRST AID

EYE: Flush with water for 15 minutes. If irritation persists, call a physician.
SKIN: Wash with soap and water. If irritation persists, seek medical attention.
INHALATION: Remove to fresh air. If symptoms persist, call a physician.
INGESTION: Do not induce vomiting. Rinse mouth with water, then drink two or more glasses of water. Call a physician. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

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