

Material Safety Data Sheet for HYGROZYME

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: **Hygrozyme**
 PRODUCT USE: **Horticultural enzyme**
 MANUFACTURER: **Sipco Bioengineering Inc.**
7236 Wilson Avenue
Delta, BC V4G 1H3

SUPPLIER: **Sipco Bioengineering Inc.**
7236 Wilson Avenue
Delta, BC V4G 1H3

EMERGENCY PHONE: **613-996-6666**

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER OR UN NUMBER OR NA NUMBER	LC50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)
NO HAZARDOUS MATERIALS				

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE:	Liquid	BOILING POINT:	100°C
ODOUR/APPEARANCE:	Dark amber liquid	FREEZING POINT:	0°C
ODOUR THRESHOLD:	N/ap.	PH:	3
VAPOUR PRESSURE (MM HG):	N/av.	SPECIFIC GRAVITY:	1.022
VAPOUR DENSITY (AIR-1):	N/av.	COEFF. WATER/OIL DIST:	N/av.
EVAPOURATION RATE:	N/av.	DENSITY:	N/av.

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY:	No	AUTOIGNITION TEMPERATURE:	N/ap.
MEANS OF EXTINCTION:	N/ap.	HAZARDOUS COMBUSTION PRODUCTS:	None
SPECIAL PROCEDURES:	N/ap.	EXPLOSION DATA:	N/ap.
FLASHPOINT AND METHOD:	N/ap.	SENSITIVITY TO IMPACT:	N/ap.
UPPER FLAMMABLE LIMIT (% BY VOL.):	N/ap.	SENSITIVITY TO STATIC DISCHARGE:	N/ap.
LOWER FLAMMABLE LIMIT (% BY VOL.):	N/ap.		

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY:	Yes
REACTIVITY AND UNDER WHICH CONDITIONS:	N/ap.
INCOMPATIBILITY WITH OTHER SUBSTANCES:	No
HAZARDOUS DECOMPOSITION PRODUCTS:	N/av.

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SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:	Eye contact		
EFFECTS OF ACUTE EXPOSURE:	If ingested, may cause laxative reaction (diarrhea)		
EFFECTS OF CHRONIC EXPOSURE:	For eyes, flush with plenty of water		
EXPOSURE LIMITS:	N/ap.	TERATOGENICITY:	N/ap.
IRRITANCY OF PRODUCT:	N/ap.	REPRODUCTIVE TOXICITY:	N/ap.
SENSITIZATION TO PRODUCT:	N/ap.	MUTAGENICITY:	N/ap.
CARCINOGENICITY:	N/ap.	SYNERGISTIC PRODUCTS:	N/ap.

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	Gloves: not required Respirator: not required Eye: Not required but avoid exposure Footwear: not required Clothing: not required Other: not required N/av.
ENGINEERING CONTROLS (SPECIFY VENTILATION, ENCLOSED PROCESS ETC.):	
LEAK AND SPILL PROCEDURE:	Rinse area with water to avoid slippery surface hazard.
WASTE DISPOSAL:	Flush with water. No special action required. Can be discharged down sewer line.
HANDLING PROCEDURE AND EQUIPMENT:	None required
STORAGE REQUIREMENTS:	Store in a cool, dry area and protect from freezing.
SPECIAL SHIPPING INFORMATION:	Not regulated
TDG UN NUMBER:	Not applicable

SECTION 8 - FIRST AID MEASURES

EYE CONTACT:	May cause irritation. Rinse with plenty of water.
INGESTION:	May cause laxative reaction (diarrhea).

SECTION 9 - PREPARATION OF MSDS

PREPARED BY:	Sipco Bioengineering Inc.
PHONE NUMBER:	604-940-9922
DATE:	Jan, 2014