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 718980
 718985
 718990
 718995

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: **HYGROZYME**
 PRODUCT USE:
 MANUFACTURER: **Sipco Industries Ltd.** SUPPLIER: **Sipco Industries Ltd.**
 STREET ADDRESS: **7236 Wilson Avenue** STREET ADDRESS: **7236 Wilson Ave.**
 CITY: **Delta** PROVINCE: **BC** CITY: **Delta** PROVINCE: **BC**
 POSTAL CODE: **V4G 1H3** EMERGENCY PHONE: **(613) 996-6666** POSTAL CODE: **V4G 1H3**

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER OR UN NUMBER OR NA NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)
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NO HAZARDOUS MATERIALS

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Natural Brown	ODOUR THRESHOLD (PPM) N/ap.		
VAPOUR PRESSURE (MM HG) N/av.	VAPOUR DENSITY (AIR-1) N/av.	EVAPORATION RATE N/av.	BOILING POINT 100 degrees C.	FREEZING POINT 0 degrees C.
pH 3	SPECIFIC GRAVITY 1052	COEFF. WATER/OIL DIST N/av.	DENSITY N/av.	

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMABILITY IF YES, UNDER WHICH CONDITIONS?
 YES ___ NO IF NO, WHICH CONDITIONS?

MEANS OF EXTINCTION **N/ap.** SPECIAL PROCEDURES **N/ap.**

FLASHPOINT AND METHOD
None UPPER FLAMABLE LIMIT (% BY VOLUME) **None** LOWER FLAMABLE LIMIT (% BY VOLUME) **None**

AUTOIGNITION TEMPERATURE
N/av. HAZARDOUS COMBUSTION PRODUCTS
None

EXPLOSION DATA
None SENSITIVITY TO IMPACT **N/ap.** SENSITIVITY TO STATIC DISCHARGE
N/ap.

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY
 YES NO ___ IF NO, WHICH CONDITIONS? REACTIVITY AND UNDER WHICH CONDITIONS?
N/ap.

INCOMPATIBILITY WITH OTHER SUBSTANCES
 YES ___ NO IF SO, WHICH ONES? HAZARDOUS DECOMPOSITION PRODUCTS
N/ap.

PRODUCT DESCRIPTION **HYGROZYME**

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

SKIN CONTACT ___ SKIN ABSORPTION ___ EYE CONTACT X INHALATION ___ INGESTION X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

May cause slight eye irritation. If ingested may cause Laxative reaction. (diarrhea)

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

For eyes, flush with plenty of water.

EXPOSURE LIMITS

N/ap.

IRRITANCY OF PRODUCT

N/ap.

SENSITIZATION TO PRODUCT

N/ap.

CARCINOGENICITY

N.ap

TERATOGENICITY

N/ap.

REPRODUCTIVE TOXICITY

N/ap.

MUTAGENICITY

N/ap.

SYNERGISTIC PRODUCTS

N/ap.

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

None required

GLOVES (SPECIFY)

Not required

RESPIRATOR (SPECIFY)

Not required

EYE (SPECIFY)

Not required but avoid exposure

FOOTWEAR (SPECIFY)

Not required

CLOTHING (SPECIFY)

Not required

OTHER (SPECIFY)

None required

ENGINEERING CONTROLS (SPECIFY E.G. VENTILATION, ENCLOSED PROCESS)

N/av.

LEAK AND SPILL PROCEDURE

Rinse area with water to reduce 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. Protect from freezing.

SPECIAL SHIPPING INFORMATION

Not applicable

TDG UN NUMBER

Not applicable

SECTION 8 – FIRST AID MEASURES

SPECIAL MEASURES

EYE CONTACT: May cause irritation – rinse with plenty of water

INGESTION: May cause laxative reaction (diarrhea)

ABBREVIATIONS USED: N/AV=NOT AVAILABLE

N/AP=NOT APPLICABLE

SECTION 9 – PREPARATION OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC)

Sipco Industries Ltd.

PHONE NUMBER

(604) 940-9922

DATE

June 2005