

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: **HYGROZYME**

PRODUCT USE: **HORTICULTURAL ENZYME**

MANUFACTURER'S NAME: **Sipco Industries Ltd** SUPPLIER'S NAME: **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** EMERGENCY PHONE: **(613) 996-6666**

## SECTION 2 – HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | % | CAS NUMBER OR<br>UN NUMBER OR<br>NA NUMBER | LD50 OF INGREDIENT<br>(SPECIFY SPECIES<br>AND ROUTE) | LC50 OF INGREDIENT<br>(SPECIFY SPECIES<br>AND ROUTE) |
|-----------------------|---|--|--|--|
|-----------------------|---|--|--|--|

**NO HAZARDOUS MATERIAL**

## SECTION 3 – PHYSICAL DATA

|   |  |                                       |                                   |                                  |
|---|--|---------------------------------------|-----------------------------------|----------------------------------|
| PHYSICAL STATE<br><b>Liquid</b>         | ODOUR AND APPEARANCE<br><b>Dark amber liquid</b> | ODOUR THRESHOLD (PPM)<br><b>N/ap.</b> |                                   |                                  |
| VAPOUR PRESSURE<br>(MM HG) <b>N/av.</b> | VAPOUR DENSITY<br>(AIR-1) <b>N/av.</b>           | EVAPOURATION RATE<br><b>N/av.</b>     | BOILING POINT<br><b>100 d. C.</b> | FREEZING POINT<br><b>0 d. C.</b> |
| PH<br><b>3.0</b>                        | SPECIFIC GRAVITY<br><b>1.17</b>                  | COEFF. WATER/OIL DIST<br><b>N/av.</b> | DENSITY<br><b>N/av.</b>           |                                  |

## SECTION 4 – FIRE AND EXPLOSION DATA

FLAMABILITY IF YES, UNDER  
YES \_\_\_ NO **X** WHICH CONDITIONS?

|  |  |  |
|--|--|--|
| MEANS OF EXTINCTION<br><b>N/ap.</b>      | SPECIAL PROCEDURES<br><b>N/ap.</b>                 |  |
| FLASHPOINT AND METHOD<br><b>N/ap.</b>    | UPPER FLAMABLE LIMIT<br>(% BY VOLUME) <b>N/ap.</b> | LOWER FLAMABLE LIMIT<br>(% BY VOLUME) <b>N/ap.</b> |
| AUTOIGNITION TEMPERATURE<br><b>N/ap.</b> | HAZARDOUS COMBUSTION PRODUCTS<br><b>None</b>       |  |
| EXPLOSION DATA<br><b>N/ap.</b>           | SENSITIVITY TO IMPACT<br><b>N/ap.</b>              | SENSITIVITY TO STATIC DISCHARGE<br><b>N/ap.</b>    |

## SECTION 5 – REACTIVITY DATA

|   |  |
|---|--|
| CHEMICAL STABILITY<br>YES <b>X</b> NO ___ IF NO, WHICH CONDITIONS?              | REACTIVITY AND UNDER WHICH CONDITIONS?<br><b>N/ap.</b> |
| INCOMPATIBILITY WITH OTHER SUBSTANCES<br>YES ___ NO <b>X</b> IF SO, WHICH ONES? | HAZARDOUS DECOMPOSITION PRODUCTS<br><b>N/ap.</b>       |

PRODUCT DESCRIPTION

**HYGROZYME**

**SECTION 6 – TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY

SKIN CONTACT\_\_\_SKIN ABSORPTION\_\_\_EYE CONTACT\_\_X\_\_INHALATION\_\_\_INGESTION\_\_\_

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

**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

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/ap.

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 cool, dry area and protect from freezing.**

SPECIAL SHIPPING INFORMATION  
**Not Regulated.**

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  
**Jan. 2008**