

MATERIAL HEALTH & SAFETY DATA SHEET

(Key: > = Greater than; < = Less than)

SECTION 1 - MATERIAL IDENTIFICATION & USE

Material Name: HOLDING TANK TREATMENT -- Code 360

Supplier: Captain PHAB Ltd.

Address: 613 Neal Drive,
Peterborough, Ontario.
K9J 6X7

Emergency Telephone #: 705 748-0436

Chemical Name: n/a

Chemical Family: Bacterial cultures Trade Name/Synonyms: Holding Tank Treatment

Chemical Formula: Material Use: Drain control

SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIAL

<u>Hazardous Ingredients</u>	<u>Approximate Concentration %</u>	<u>C.A.S.N.A. or U.N. Numbers</u>	<u>"Exposure Limits"</u>	<u>LD₅₀ / LC₅₀ Specify Species & Route</u>	
Viable Bacterial Cultures	60-100	n/a		not known	not known
Isopropanol	1-5	67-63-0		4720mg/kg (rat oral)	nd

SECTION 3 - PHYSICAL DATA FOR MATERIAL

Physical State: liquid Specific Gravity: 1.0 Odour Threshold(ppm): ne Odour & Appearance: lemon odor, green

Vapour Pressure (mm/Hg): n/a Vapour Density (Air=1): n/a Evaporation Rate: ne Boiling Point (°C): 100

Solubility in Water(20°C): Moderate pH: 7.80-08.00 Coefficient of water/oil distribution: ne

SECTION 4 - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability: Non-flammable. Conditions:

Means of Extinction: n/a.

Special Procedures: n/a

Flash point(°C) None :

Auto Ignition Temperature(°C):n/a Hazardous Combustion Products: None known

Chemical Sensitivity to Impact: n/a Rate of Burning: n/a Explosion Power: n/a Sensitivity to Static Discharge:n/a

SECTION 5 - REACTIVITY DATA

Chemical Stability: stable Conditions:to avoid: None

Incompatibility to other substances: Strong acids or alkalis may inactivate some bacterial cultures.

Hazardous polymerization: Will NOT occur.

Hazardous Decomposition Products: None known

Material Name: HOLDING TANK TREATMENT **Code** 360

SECTION 6 - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry: Skin Contact:yes..... Skin Absorption:.....yes..... Eye Contact: yes
Inhalation :.....yes..... Ingestion: yes

Effects of Acute Exposure to Product: This material may cause eye or skin irritation. Organisms used are non pathogenic, but can cause infection when in contact with open wounds. These organisms are susceptible to commonly used antibiotics.

Effects of Chronic Exposure to Product: None known. Limited toxicity data are available on this specific product. This health hazard assessment is based on the results of screening tests.

LD₅₀ of Product (Specify Species & Route): N/Av. Sensitization to Product: None known

LC₅₀ of Product (Specify Species): N/Av. Exposure limits of Product: ne

Irritancy of Product: Slight Synergistic materials: None known.

Carcinogenicity:..None known..... Reproductive effects: None known Teralogenicity:..None known... Mutagenicity:..None known

SECTION 7 - PREVENTIVE MEASURES

Personal Protective Equipment: Engineering or administrative controls should be implemented.

Gloves: Rubber or vinyl Respiratory: Local exhaust adequate. Use NOISH approved respirator if misting product.

Eye: Safety glasses depending on severity of exposure Footwear: Rubber boots if contact possible

Clothing:..Avoid skin contact. Long sleeve clothing.

Engineering Controls: Local exhaust adequate. Mechanical ventilation if in confined areas.

Leak & Spill Procedure: Small spills - Flush with large amounts of water. Large spills - Collect with absorbent and place in containers for disposal.

Waste Disposal: Review local government regulations and dispose through a licensed facility..

Handling Procedures & Equipment: Avoid eye and skin contact.

Storage Requirements: In cool, dry area, Keep from freezing.

SECTION 8 - FIRST AID MEASURES

PROCEDURES:

Skin: Remove contaminated clothing and launder before reuse. Thoroughly wash exposed area with generous amounts of soap and water.
If irritation persists seek medical attention.

Eyes: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention if irritation persists..

Inhalation: If breathing is affected, remove individual to fresh air. Get medical attention if condition persists.

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Drink large amounts of milk or water. Seek medical attention immediately..

SECTION 9 - PREPARATION DATE OF M.S.D.S.

WHMIS Classification -- Class D, Division 2B

TDG Classification --- None

Pin -- None Packing Group -- n/a

Hazard rating: Health:1 Fire:0 Reactivity: 0 Special: None

Hazard Rating Scale: 0=Minimal ---1=Slight----2=Moderate----3=Serious----4=Severe

n/a = Not applicable. nd=No data available. ne=Not established ---- nr=Not regulated

Sources Used: Raw materials suppliers' MSDS's.

Prepared by: Abe Kelly. Phone #: 705 748-0436
Fax #: 705 876-6467

Date: January 1, 2006

Revision Date: December 1, 2006