

MATERIAL HEALTH & SAFETY DATA SHEET

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

SECTION 1 - MATERIAL IDENTIFICATION & USE

Material Name: **HOLDING TANK CLEANER - Code 369**

Supplier: *Captain* PHAB Ltd.

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

Emergency Telephone #: 705 748-0436

Chemical Name: Molecular Weight:

Chemical Family: Detergent (water-based) Trade Name/Synonyms:

Chemical Formula: Material Use: Cleaning Holding Tanks

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> |
|-------------------------------------------|------------------------------------|-----------------------------------|--------------------------|---------------------------------------------------------------|
| Sodium Metasilicate | 5-10 | 6834-92-0 | | Rat - (oral) - 800 mg/kg Rabbit (dermal) - 800 ppm-8 hours |
| Tetrasodium Ethylene Diamine Tetraacetate | 5-10 | 6402-8 | | LC 50 Rat 3030 mg/Kg |
| Lauryl Amine Oxide | 5-10 | 1643-20-5 | | LC 50 Rat 400 mg/Kg |

SECTION 3 - PHYSICAL DATA FOR MATERIAL

Physical State: Liquid Specific Gravity: 1.02 Odour Threshold (ppm): n/a Odour & Appearance: Detergent/ clear
Vapour Pressure (mm/Hg): n/a Vapour Density (Air=1) >1 Evaporation Rate: Boiling Point (°C): 100 Freezing Point (°C): 0
Solubility in Water (20°C): complete % Volatile (by volume): pH: 8.5 - 9.5 Density (g/ml):
Coefficient of water/oil distribution: n/a

SECTION 4 - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability: No

Means of Extinction: water-based --- non flammable

Special Procedures:

Flash point(°C) & Method n/a Upper explosion limit (% by volume): n/a Lower explosion limit (% by volume): n/a

Auto Ignition Temperature(°C): n/a Flammability Classification:
Hazardous Combustion Products: May emit oxides of carbon

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

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes Conditions:

Incompatibility to other substances: Substances: Avoid strong oxidizing agents.

Reactivity and under what conditions: None

Hazardous Decomposition Products: None known

SECTION 6 - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry:: Skin Contact:X..... Skin Absorption:..... Eye Contact:.....X.....
Inhalation Acute:..... Inhalation Chronic:..... Ingestion:....X.....

Effects of Acute Exposure to Product: EYE CONTACT: Will cause severe irritation.
INGESTION: Will severely burn mouth, throat and stomach.

Effects of Chronic Exposure to Product: SKIN: Chemical burns may result from prolonged or repeated contact.

LD50 of Product (Specify Species & Route): Sensitization to Product: none
LC50 of Product (Specify Species): Exposure limits of Product: n/a
Irritancy of Product: Synergistic materials:

Carcinogenicity: negative..... Reproductive effects: negative Teratogenicity:..... none Mutagenicity: none.

SECTION 7 - PREVENTIVE MEASURES

Personal Protective Equipment:

Gloves: Chemical resistant Respiratory: n/a Eye: Safety glasses Footwear: normal
Clothing: normal.....Other:

Engineering Controls: Natural or mechanical ventilation.
Leak & Spill Procedure: Causes slipperiness. Use appropriate absorbent.
Waste Disposal: Follow local or provincial regulations.
Handling Procedures & Equipment: Avoid prolonged or repeated skin contact. Wash well after contact.
Storage Requirements: Keep from freezing. Do not store near oxidizing materials.
Special Shipping Information: Keep out of reach of children.

SECTION 8 - FIRST AID MEASURES

Skin: Wash well with soap and water.
Eyes: Flush with plenty of fresh water for at least 15 minutes. Seek immediate medical attention.
Inhalation: Remove to fresh air.
Ingestion: Give 2 glasses of water. Do NOT induce vomiting. Seek medical attention.
General advice:

IN CASE OF A DANGEROUS GOODS EMERGENCY CALL CANUTEC'S 24 HOUR NUMBER – 613-996-6666

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

Additional information/Comments:

Sources Used: Ingredient supplier MSDS

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