

MATERIAL SAFETY DATA SHEET

Mariner's Choice International, Inc.

Holding Tank Treatment (Powder)

SECTION I: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Holding Tank Treatment (Powder) **PRODUCT USE:** Break down organic waste and eliminate odors

MANUFACTURER: Mariner's Choice International, Inc. (Canada) **MANUFACTURER:** Mariner's Choice International, Inc. (USA)

ADDRESS: 26 Voyager Court South Toronto, Ontario M9W 5M7 **ADDRESS:** 4856 Victor Street, Suite A Jacksonville, Florida 32207

EMERGENCY # : 613-996-6666 (CANUTEC)

SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LD ₅₀
Bacterial complex					

Contains no hazardous ingredients at greater than one percent by weight as defined by WHMIS regulations. No NTP IARC or OSHA carcinogens present.

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion, inhalation.

Potential Health Effects:

Eye Contact: Causes temporary discomfort and redness. May contribute to infection when in contact with open wounds.

Skin Contact: Prolonged contact may cause discomfort, defatting of tissue, possible dermatitis and skin sensitization.

Inhalation: Product may produce nuisance dust, which may irritate respiratory passage.

Ingestion: No effect if ingested in small amounts. Very low toxicity. Irritation of mouth, esophagus and stomach may follow.

Chronic Effects

Carcinogenicity: No ingredients listed IARC or NTP or ACGIC. Non hazardous by WHMIS/OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471)

Skin: Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis.

SECTION IV: FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes. If irritation persists seek medical attention immediately.

Skin Contact : Wash thoroughly with soap and water.

Inhalation: Move victim to fresh air.

Ingestion: Drink large quantities of water. Seek medical attention.

SECTION V: FIRE FIGHTING MEASURES

Flammability: Non flammable

Flash Point deg (C,TCC) : Not Applicable

Means of Extinction: As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam

Special Fire Hazards: Fire fighters should wear self contained breathing apparatus.

Autoignition temperature: Not applicable.

Flame propagation or burning rate of solid: Not applicable.

Sensitivity to static discharge: Not applicable

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Unusual Fire and Explosion Hazards: None expected. As per surrounding fire.
Hazardous decomposition products: None

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: For larger spills, contain and pick-up. For small spills, wash area with water. Dispose in accordance with federal, provincial and local regulations, in designated landfill sites.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in an area away from strong oxidizers. Keep container closed when not in use. Avoid exposure to high or low temperatures and humidity.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Impervious protective gloves.
Eye Protection: Safety glasses recommended if used in a manner that creates dust.
Respiratory Protection: Dust mask is recommended where dust occurs. Wear approved respirator for nuisance dust during clean up.
Other Protective Equipment: N/AP
Engineering Controls: General ventilation normally required.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	N/A	Specific Gravity (H₂O = 1):	1% solution	Evaporation Rate (water=1):	N/A
% Volatile (Wt%):	1	Solubility in water:	Moderate	pH (as supplied):	8.50
Physical State:	Solid	Viscosity:			
Appearance / Odor:	Straw in color with organic odor.				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable under normal conditions.
Incompatible Materials: Oxidizing material, acid base, strong acids or alkali compounds may inactivate biological cultures.
Hazardous Decomposition Products: None.

SECTION XI: TOXICOLOGICAL INFORMATION

Inhalation: Product may produce nuisance dust, which may irritate respiratory passage.
Skin: Prolonged contact may cause discomfort, defatting of tissue, possible dermatitis and skin sensitization.
Eyes: Causes temporary discomfort and redness. May contribute to infection when in contact with open wounds.
Ingestion: No effect if ingested in small amounts. Very low toxicity. Irritation of mouth esophagus and stomach may follow.

SECTION XII: ECOLOGICAL INFORMATION

Biodegradability: All organic cleaning ingredients in this formulation are inherently biodegradable per OECD Test 302 B. 52 % DOC removal, 28 days.

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SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations.

SECTION XIV: TRANSPORTATION

T.D.G. Classification: Not regulated

D.O.T. Classification: Not regulated

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS Class:

Class D Division 2B

OSHA & WHMIS:

MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations

Environmental Regulatory Lists:

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372

None of these ingredients are listed.

CERCLA – Section 102 (Reportable Quantity) 40 CFR 302

None of the ingredients are listed

RCRA 40 CFR 261 (Subpart D)

None of the ingredients are listed

CLEAN WATER ACT – Section 311 (Reportable Qty) 40 CFR 116:

None of these ingredients are listed

CLEAN AIR ACT – Section 312 (List of Hazardous Pollutants) 40 CFR 63 (Subpart C)

None of these ingredients are listed

National Pollutant Release Inventory

None of these ingredients are listed

Toxic Substances Control Act (TSCA)

All ingredients are registered on the Chemical Substances Inventory.

Canadian Domestic Substance List (DSL):

All ingredients are registered on the DSL

SECTION XVI: OTHER INFORMATION

Date:	January, 2007	Prepared By:	Technical Services Group	Telephone:	416 238 3510
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).