

MATERIAL SAFETY DATA SHEET

Mariner's Choice International, Inc.

Bilge Cleaner & Deodorizer

SECTION I: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bilge Cleaner & Deodorizer **PRODUCT USE:** Marine Cleaner
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, FL 32207
EMERGENCY # : 613-996-6666 (CANUTEC)

SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LD ₅₀
Sodium Metasilicate	6834-92-0	1-5 %	Not applicable	Range % >60 TLV (ppm) 25 skin	1153
Potassium Hydroxide		1-5 %	Not applicable	TLV 2MG/M ³	365
Non Ionic Surfactant	68439-46-3	5-10 %	Not applicable	N/AV	LD50 1378 mg/kg (oral rat)

There are no potential health effects expected from handling this material. Good housekeeping is expected when handling chemical products.

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion.
Potential Health Effects:
Eye Contact: May cause severe irritation to eyes
Skin Contact: May cause sever irritation upon repeated/ prolonged contact.
Inhalation: N/A
Ingestion: May cause nausea and vomiting if ingested.
Chronic Effects
Carcinogenicity: N/A
Teratogenicity, Mutagenicity, N/A
Reproductive Effects:
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, repeat flushing and obtain medical attention immediately.
Skin Contact : Wash with plenty of water.
Inhalation: Move victim to fresh air.
Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass 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: N/A.
Autoignition temperature: Not applicable.
Flame propagation or Not applicable.

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burning rate of solid:
Sensitivity to static discharge:
Unusual Fire and Explosion Hazards.
Hazardous decomposition products:

Not applicable
None expected. As per surrounding fire.
Carbon dioxide, carbon monoxide.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Flush with water. Dispose of in accordance with local, provincial/ state or federal regulations.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in a closed container in a cool place.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Impervious protective gloves are recommended as with all cleaners.
Eye Protection: Chemical splash goggles. If spray or vapors likely.
Respiratory Protection: Not normally required if good ventilation is maintained. If mist is generated during application process, use disposable mist applicator.
Other Protective Equipment: As required by employer code. Eye bath, safety shower, protective clothing.
Engineering Controls: General ventilation normally required. If ventilation practices are not adequate for minimizing exposure, additional ventilation or exhaust systems may be required.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	100	Specific Gravity (H₂O = 1):	1.06	Evaporation Rate (water=1):	N/AV
% Volatile (Wt%):	N/AV	Solubility in water:	Complete	pH (as supplied):	12.5 – 13.0
Physical State:	Liquid	Viscosity:	As Water		
Appearance / Odor:	Red liquid with mild typical odor.				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable
Incompatible Materials: Strong oxidizing agents, strong acids.
Hazardous Decomposition Products: Oxides of carbon, Oxides of Nitrogen when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

Ingestion: Components of this product had an oral (rat) LD 50 over 2,000 g/ kg.

SECTION XII: ECOLOGICAL INFORMATION

Biodegradability: Yes.

SECTION XIII: DISPOSAL CONSIDERATIONS

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

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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).