

# MATERIAL SAFETY DATA SHEET

Mariner's Choice International Inc.

Vima-San Hand Sanitizer II

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Vima-San Hand Sanitizer II      **PRODUCT USE:** Alcohol hand sanitizer  
**MANUFACTURER:** Mariner's Choice Int'l Inc. (CAN)      **MANUFACTURER:** Mariner's Choice Int'l Inc. (USA)  
**ADDRESS:** 26 Voyager Court South      **ADDRESS:** 4856 Victor St., Ste. A  
Toronto, Ontario M9W 5M7      Jacksonville, FL 32207  
416 238 3510      904 425 1234  
**EMERGENCY :** 613 996 6666 (CANUTEC)      **EMERGENCY #:**

## SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	UN #	LD50 oral	TLV
Ethyl Alcohol (flammable)	64-17-5	70.0	1170	7060	1000

## SECTION III: HAZARDOUS IDENTIFICATION

**Emergency Overview:** Liquid gel, medium green  
**Route of Entry:** Eye, skin contact, ingestion, inhalation  
**Potential Health Effects:**  
**Eye Contact:** Irritant, reversible damage  
**Skin Contact:** No adverse effects  
**Inhalation:** Dizziness, nausea  
**Ingestion:** Dizziness, nausea  
**Chronic Effects:** Effects of overexposure repeated ingestion may cause liver damage  
**Carcinogenicity:**  
**Teratogenicity, Mutagenicity, Reproductive Effects:** No data available.

## SECTION IV: FIRST AID MEASURES

**Eye Contact:** Flush eyes with clean water for 20 minutes.  
**Skin Contact :** If irritation occurs, rinse thoroughly. To prevent dryness, apply moisturizing cream.  
**Inhalation:** Remove victim to fresh air.  
**Ingestion:** Do NOT induce vomiting. Victim should drink large quantities of milk or water.

## SECTION V: FIRE FIGHTING MEASURES

**Flammability:** 3.2  
**Flash Point deg (C,TCC) :** 23°C  
**Means of Extinction:** Use dry chemical, carbon dioxide or foam  
**Special Fire Hazards:** Explosions hazards – vapors form & may be ignited by spark or flame  
**Hazardous decomposition products:** None, yet if burned CO2 produced.

## SECTION VI: ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Use paper towel to absorb, dispose with domestic garbage. This product may be rinsed in sink as it contains NO environmentally toxic materials. No NPE compounds.

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## SECTION VII: HANDLING AND STORAGE

**Handling/Storage Requirements:** No specific protection required. Store in cool, dry place.

## SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

**Gloves:** N/A  
**Eye Protection:** Use chemical goggles or full face shield.  
**Respiratory Protection:** Not normally required if good ventilation is maintained.  
**Other Protective Equipment:** N/A  
**Engineering Controls:**

## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point ( deg C)</b>	85	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.820-0.840	<b>Evaporation Rate (water=1):</b>	1.2
<b>% Volatile (Wt%):</b>		<b>Solubility in water:</b>	Complete	<b>pH (as supplied):</b>	5.4
<b>Physical State:</b>	Liquid	<b>Viscosity:</b>	Slightly viscous		
<b>Appearance / Odour:</b>	Liquid gel medium green				

## SECTION X: STABILITY AND REACTIVITY

**Conditions for Chemical Instability:** Stable  
**Incompatible Materials:** Peroxides, nitric acid  
**Hazardous Decomposition Products:** None, yet if burned CO<sub>2</sub> produced  
**Conditions to Avoid:** Flames, sparks

## SECTION XI: TOXICOLOGICAL INFORMATION

**Carcinogenicity:** None  
**Tertogenicity:** Long term ingestion causes fetal abnormality  
**Skin:** No adverse effects  
**Mutagens:** None  
**Inhalation:** Dizziness, nausea  
**Effects of overexposure:** Repeated ingestion may cause liver damage

## SECTION XII: ECOLOGICAL INFORMATION

**Biodegradability:** Readily biodegradable.

## SECTION XIII: DISPOSAL CONSIDERATIONS

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

## SECTION XIV: TRANSPORTATION

**T.D.G. Classification:** Flammable 3.2  
**D.O.T. Classification:**

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## SECTION XV: REGULATORY INFORMATION

### Occupational Health and Safety Regulations:

**WHMIS Class:** Flammable liquid, eye irritant  
**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

<b>Date:</b> October 10, 2007	<b>Prepared By:</b> Technical Services Group	<b>Telephone:</b> 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).