

# MATERIAL SAFETY DATA SHEET

Product: MC-Marine Gas #1 Extreme

MSDS No: 207-150

Shellbourne Fuels Inc.  
238 Oakwood Crescent  
Oakville, ON L6K 3M8  
Emergency Phone: 416 714 3119 / 905 842 4177

Mariner's Choice International Inc.  
4856 Victor St., Ste. A  
Jacksonville, FL 32207  
904 425 1234

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## SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** MC-Marine Gas #1 Extreme **Product Use:** Fuel Additive

**Chemical/Generic Name:** Petroleum Distillates, N.O.S.

## SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	
Solvent Naphtha (petroleum)	64742-95-6	>60 - <80	
Xylene	1330-20-7	>15 - <30	
Butanol	71-36-3	>10 - <25	
Solvent mixture contains proprietary non-metallic modifiers.			

## SECTION III: HAZARDOUS IDENTIFICATION

**Physical Description:** Liquid. Aromatic. Green.  
**Route of Entry:**  
**Hazards:** Combustible liquid. Moderate skin and eye irritant.  
**Eye Contact:** Can cause moderate eye irritation, redness, tearing, blurred vision.  
**Skin contact:** Can cause skin irritation. Prolonged or repeated contact may dry skin and may include redness, burning, drying, and cracking of skin.  
**Breathing:** Excessive inhalation of vapours may cause nasal and respiratory irritation.  
**Ingestion:** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful and can get into the lungs and result in lung inflammation.  
**Physical Description:** Liquid. Aromatic. Green.  
**Route of Entry:**

## SECTION IV: FIRST AID MEASURES

**Skin Contact:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.  
**Eye Contact :** Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.  
**Ingestion:** Do not induce vomiting. Keep person warm and quiet. Get medical attention.  
**Inhalation:** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration, keep person warm, quiet, and get medical attention.

## SECTION V: FIRE FIGHTING MEASURES

**Exinction Media:** Dry chemical, foam, carbon dioxide.  
**Precautions for Fire-Fighting:** Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from the area of spill until clean up has been completed.  
**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, and oxides of nitrogen produced upon combustion.

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## SECTION VI: ACCIDENTAL RELEASE MEASURES

Issue warning "Combustible". Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from the area or spill until clean up has been completed. Stop spill at source. Prevent it from entering drains, sewers, streams, or other bodies of water. If runoff occurs, notify environmental authorities. Pump and transfer spilled product to clean containers for recovery.

## SECTION VII: HANDLING AND STORAGE

**Handling:** Do not transfer to an unmarked container. Keep container closed when not in use. Containers of this material may be hazardous when emptied. Since emptied containers retain product residue, electrically bond and ground all containers.

**Storage:** Store in a cool, dry, well ventilated area. Do not store near extreme heat, open flame, or sources of ignition. Store out of direct sunlight.

## SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

### PERSONAL PROTECTIVE EQUIPMENT

**Eye Protection:** Chemical splash goggles in compliance with OSHA regulations are advised. However, OSHA regulations also permit other safety glasses. Consult your safety representative.

**Skin and Body Protection:** Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**Respiratory Protection:** If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. Engineered or administrative controls should be implemented to reduce exposure.

## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Green colour
<b>Odour:</b>	Hydrocarbon odour
<b>Boiling Point/Range:</b>	160°C 321°F
<b>Flash Point (Closed Cup):</b>	40°C 104°F
<b>Evaporation Rate:</b>	25 Ethyl Ether
<b>Explosion Limits:</b>	1.0%(V) 7.0%(V)
<b>Vapour Pressure:</b>	2.10 mmHg 20.00°C 68.00°F
<b>Vapour Density (Air=1):</b>	4.5
<b>Solubility:</b>	Insoluble in cold water

## SECTION X: STABILITY AND REACTIVITY

**Incompatible Products:** Avoid contact with nitric acid, strong oxidizing agents, and sulphuric acid.

**Hazardous Decomposition Products:** May form carbon dioxide, carbon monoxide, and various hydrocarbons.

**Hazardous Reactions:** Product will not undergo hazardous polymerization

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## SECTION XI: TOXICOLOGICAL INFORMATION

<b>Solvent Naphtha (Petroleum)</b>	64742-95-6	
LD 50: Rat 5,600 mg/kg.	LD 50: Rabbit 4,000 mg/kg	LC 50: Rat 10,200 mg/m <sup>3</sup>
<b>Xylene</b>	1330-20-7	
LD 50: Rat 4,300 mg/kg	LD 50: Rabbit 2,000 mg/kg	LC 50: Rat 6,700 PPM/4H
<b>Butanol Normal</b>	71-36-3	
LD 50: Rat 2,500 mg/kg	LD 50: Rabbit 4,200 mg/kg	LC 50: Rat >8,000 PPM/4H

## SECTION XII: ECOLOGICAL INFORMATION

No data.

## SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state/province, and federal regulations.

## SECTION XIV: TRANSPORTATION

IMDG: Petroleum Distillates, N.O.S., 3, UN1268, Packing Group III

## SECTION XV: REGULATORY INFORMATION

Reportable Quantity: Not applicable  
WHMIS Classification: B3 Combustible Liquid  
D2B Toxic Material Causing Other Toxic Effects

	Health	Flammability	Reactivity	Other
HMIS	1*	2	0	
NEPA	1	2	0	

## SECTION XVI: OTHER INFORMATION

Date:	December 31, 2007	Prepared By:	Mariner's Choice Int'l Inc.	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).