

MATERIAL SAFETY DATA SHEET

Product: MC-Marine Diesel Purity

MSDS No: 207-340

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 Diesel Purity **Product Use:** Diesel 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 Normal	71-36-3	>10 - <25	
Solvent mixture contains proprietary non-metallic modifiers.			

SECTION III: HAZARDOUS IDENTIFICATION

Physical Description: Liquid. Aromatic. Red.
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.

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.

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SECTION V: FIRE FIGHTING MEASURES

Exinction Media: Dry chemical, foam, carbon dioxide.
Precautions for Firefighting: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from the area or spill until clean up has been completed.
Hazardous Combustion Products: Carbon dioxide, carbon monoxide, and various hydrocarbons.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from the area of 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, 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.

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SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Red
Odour:	Aromatic
Boiling Point/Range:	160°C 321°F
Flash Point (Closed Cup):	40°C 104°F
Evaporation Rate:	25 Ethyl Ether
Explosion Limits:	1.0%(V) 7.0%(V)
Vapour Pressure:	2.10 mmHg 20.00°C 68.00°F
Vapour Density (Air=1):	4.5
Specific Gravity:	0.877 @ 15.5°C 59.9°F
Solubility:	Insoluble in cold water

SECTION X: STABILITY AND REACTIVITY

Stability: Stable
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

SECTION XI: TOXICOLOGICAL INFORMATION

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

Waste management priorities are:

1. Recycle
2. Energy Recovery
3. Incineration
4. Disposal at licensed waste disposal facility

Do not attempt to combust waste on site. Incinerate at a licensed disposal site with approval of environmental authority. Landfill absorbed material in a government-approved site.

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

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SECTION XIV: TRANSPORTATION

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

SECTION XV: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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	

DSL/NDSL Status: This product, or all components, are listed on the Domestic Substances List, as required under the Canadian Environmental Protection Act. This product and/or all components are listed on the U.S., EPA TSCA Inventory.

Other Regulatory Status: No Canadian federal standard; however, for general discharge guidance, federal installation limited to 15 mg/L for total oil and greases. Provincial criteria are likely and should be requested when notifying provincial authorities.

SECTION XVI: OTHER INFORMATION

Label Statements: Combustible Liquid
Hazard Statement: Avoid exposure to high temperature and all sources of ignition.
Avoid breathing vapours and mist of oil or greases.
Wear suitable gloves and eye protection.
First Aid Statement: Wash contaminated skin with soap and water. Flush eyes with water. If overcome by vapours, remove to fresh air. Do not induce vomiting. Obtain medical attention.

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).