

# Safety Data Sheet

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: MDR-559

Product Name: Diesel WaterZorb

<b>Manufacturer's Name:</b> MARINE DEVELOPMENT & RESEARCH	<b>Emergency Telephone Number:</b> 352-323-2500
<b>Address (Number, Street, City, State, ZIP)</b> 515 EAST 41 <sup>ST</sup> ST	<b>Telephone Number for Information:</b> 973-754-7000
PATERSON, NJ 07504	<b>Date Prepared:</b> 6/10/16
	<b>Signature of Preparer (optional):</b>

## SECTION 2: HAZARDS IDENTIFICATION

### CLASSIFICATION:

Flammable liquid: Category 4.

Aspiration toxicant: Category 1.

### LABEL:

#### Pictogram:



**Signal Word:** Danger

#### Hazard Statements:

H227: Combustible liquid. H304: May be fatal if swallowed and enters airways.

#### Precautionary Statements:

P210: Keep away from flames and hot surfaces—No smoking. P290: Wear protective gloves and eye/face protection. P301 + P302: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: DO NOT induce vomiting. P332 + P313: If skin irritation occurs: Get medical advice/attention. P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish. P403 + P235: Store in a well-ventilated place. Keep cool. P405: Store locked up. P501: Dispose of contents and container in accordance with local regulations.

**Contains:** DISTILLATES (PETROLEUM), HYDROTREATED LIGHT

#### Other hazard information:

**HAZARD NOT OTHERWISE CLASSIFIED (HNO):** None as defined under 29 CFR 1900.1200

**PHYSICAL/ CHEMICAL HAZARDS-** Material can accumulate static charges which may cause ignition. Material can release vapors that readily form flammable mixtures. Vapor accumulation could flash and/or explode if ignited. Combustible.

# Safety Data Sheet

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## HEALTH HAZARDS

Repeated exposure may cause skin dryness or cracking. Mildly irritating to skin. May be irritating to the eyes, nose, throat and lungs

## ENVIRONMENTAL HAZARDS

No significant hazards

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

- SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

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Component	CAS Registry #	% w/w	ACGIH TWA	OSHA STEL
TSRN: 72761100- 5019	.	60-70	NA	NA
DISTILLATES (PETROLEUM)	.	.	.	.
HYDROTREATED LIGHT	64742-47-8	30-40	100 PPM	150 PPM

## SECTION 4: FIRST-AID MEASURES

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**General Advice:** Remove contaminated clothing.

**If Inhaled:** If difficulties occur after vapor/ aerosol has been inhaled, remove to fresh air and seek medical attention.

**If on Skin:** Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in Eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

**If Swallowed:** Rinse mouth and then drink plenty of water. DO NOT induce vomiting. Immediate medical attention required.

# Safety Data Sheet

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## SECTION 5: FIRE FIGHTING MEASURES

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**Flammable Properties:**

Flash Point: 151\* F

Method Used: TCC

**Flammable Limits:**

LFL: N/A

UFL: N/A

**Extinguishing Media:** Water fog, foam, Carbon dioxide, dry chemical**Fire & Explosion Hazards:** Containers can rupture and explode under fire conditions due to pressure and vapor buildup.**Fire Fighting Instructions:** Self contained breathing apparatus. Use water to cool fire exposed containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Use personal protective clothing. Keep people away and stay on the upwind side.**Environmental Precautions:** Do not discharge into drains/ surface waters/ groundwater.**Absorb on fire retardant material. Dispose of in accordance to Local, State and Federal regulations.**

## SECTION 7: HANDLING AND STORAGE

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**Handling:**

- **General Advice:** Keep in a cool dry place.
- **Protection Against Fire and Explosion:** Take precautionary measures against overheating of drums

**Storage:**

- **General Advice:** Keep container tightly closed and dry; store in a cool place.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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**Personal Protective Equipment:**

- **Respiratory Protection:** Wear a NIOSH-certified (or equivalent) organic vapor / particulate respirator.
- **Hand Protection:** Chemical resistant protective gloves
- **Eye Protection:** Safety glasses with side-shields
- **General Safety and Hygiene Measures:** Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

**Engineering Controls:** Keep containers closed when not. Do not store near food.

# Safety Data Sheet

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Revision date:

Version:

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b> Clear straw Yellow to Colorless Liquid	<b>Physical State:</b> LIQUID
<b>Boiling Point:</b> 380F	<b>Solubility in Water:</b> Emulsifies
<b>Evaporation Rate:</b> 0.06 ( Butyl Acetate = 1)	<b>Density:</b> 7.5 LB/ GAL
<b>Freezing Point:</b> NA	<b>Specific Gravity:</b> 0.9
<b>Melting Point:</b> NA	<b>Vapor Density:</b> 5.5 @ 10kPa
<b>Molecular Weight:</b> ~158	<b>Vapor Pressure:</b> 0.29 mmHg @ 20°C
<b>Odor:</b> Aromatic Solvent	<b>Viscosity:</b> 1.38 cSt @ 40°C
<b>pH:</b> NA	<b>% Volatile:</b> 65 %
	<b>Partition Coefficient:</b> NA

## SECTION 10: STABILITY AND REACTIVITY

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**Chemical Stability:** Stable at normal conditions**Incompatibility:** Oxidizing materials and strong acids**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide and sulfur dioxide**Hazardous Polymerization:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

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**Eye:** Will produce redness, burning and stinging. Prolonged and/or repeated contact may cause chemical conjunctivitis**Skin:** May cause irritation**Ingestion:** Will cause nausea, vomiting, diarrhea and irritation**Inhalation:** Will cause irritation and/or burns to the bronchial membranes and/or pulmonary edema**Sub chronic:** Unknown**Chronic / Carcinogenicity:** Not listed as a known carcinogen**Teratology:** Does not contain any harmful reproductive agents**Reproduction:** Does not contain any harmful reproductive agents**Mutagenicity:** Does not contain any known mutagens

## SECTION 12: ECOLOGICAL INFORMATION

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**Ecotoxicological Information:** Environmental fate and effects are not established.

# Safety Data Sheet

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**Waste Disposal of Substance:** Dispose of in accordance with national, state, and local regulations. Do not discharge into drains / surface waters / groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container Disposal:** Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

## SECTION 14: TRANSPORT INFORMATION (Not meant to be all inclusive)

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**D.O.T. Shipping Name:** Petroleum Oil NOIBN STCC

**Technical Shipping Name:** Water Zorb

**D.O.T. Hazard Class:** N/A

**U.N. / N.A. Number:** N/A

**Product RQ (lbs):** N/A

**D.O.T. Label:** N/A

**D.O.T. Placard:** N/A

## SECTION 15: REGULATORY INFORMATION (Not meant to be all inclusive- selected regulation represented)

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**OSHA HAZARD COMMUNICATION STANDAD:** This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910. 1200

**Listed or exempt from listing/ notification on the following chemical inventories:** AICS, DSL, ENCS, IECSC, KECI, PICCS, TSCA

**EPCRA SECTION 302:** This material contains no extremely hazardous substances

**CERCLA:** This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLA petroleum exclusion applies for this product. Contact local authorities to determine if other reporting requirements apply.

**SARA (311/312) REPORTABLE HAZARD CATEGORIES:** Fire. Immediate Health. Delayed Health

**SARA (313) TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program

**The following ingredients are cited on the lists below:**

Chemical Name	CAS Number	List Citations
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	17, 18

## -- REGULATORY LISTS SEARCHED--

1 = ACGIH ALL	6= TSCA 5a2	11= CA P65 REPRO	16= MN RTK
2= ACGIH A1	7= TSCA 5e	12= CA RTK	17= NJ RTK
3= ACGIH A2	8= TSCA 6	13= IL RTK	18= PA RTK
4= OSHA Z	9= TSCA 12b	14= LA RTK	19= RI RTK
5= TSCA 4	10= CA P65 CARC	15= MI 293	

Code key: CARC= Carcinogen; REPRO= Reproductive

### SECTION 16: OTHER INFORMATION

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N/D = Not determined, N/A= Not applicable

#### THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Updates made in accordance with implementation of GHS requirements.

#### Hazard Rating System:

	HMIS III Rating	NFPA Hazard Codes
Health	2	2
Flammability	2	2
Reactivity	N/A	0
Physical Hazard	0	N/A

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