

# Safety Data Sheet

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: MDR-566	
Product Name: Water Probe	
<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> 1/10/17
	<b>Signature of Preparer (optional):</b> Ken Cioletti

## SECTION 2: HAZARDS IDENTIFICATION

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS- Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (respiratory tract)- Category 1

### GHS label elements

**Hazard pictograms** :



**Signal word** : **Danger**

**Hazard statements** : Highly flammable liquid and vapor  
May displace oxygen and cause rapid suffocation.  
Corrosive to the respiratory tract.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces.- No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapor.

**Response** : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**Storage** : Store locked up. Store in a well-ventilated place. Keep cool.

**Hazard not otherwise classified** : None known.

• **SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

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Component	CAS Registry #	% w/w	ACGIH TLV	OSHA PEL
Methanol	67-56-1	80-85	200ppm	200ppm
Cyclohexylamine	108-91-8	1-5	10ppm	NA

**SECTION 4: FIRST-AID MEASURES**

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**Description of necessary first aid measures**

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Most important symptoms/effects, acute and delayed**

**Potential acute health effects**

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : May cause respiratory irritation.
- Skin contact** : No known significant effects or critical hazards

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## SECTION 5: FIRE FIGHTING MEASURES

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**Flammable Properties:**

Flash Point: 50°F

Method Used: TCC

**Flammable Limits:**

LFL: 6%

UFL: 44%

**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 ventilated 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Light Yellow	<b>Physical State:</b> Liquid
<b>Boiling Point:</b> 148 F	<b>Solubility in Water:</b> Complete
<b>Evaporation Rate:</b> 2 (Butyl Acetate =1)	<b>Density:</b> 6.6 LB/GAL
<b>Freezing Point:</b> -144°F	<b>Specific Gravity:</b> 0.79
<b>Melting Point:</b> -144°F	<b>Vapor Density:</b> 1.1 (AIR =1)
<b>Molecular Weight:</b> Mixture	<b>Vapor Pressure:</b> 16.9 kPa
<b>Odor:</b> Alcohol	<b>Viscosity:</b> NA
<b>pH:</b> NA	<b>% Volatile:</b> 83%
	<b>Partition Coefficient:</b> -0.77

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions

**Incompatibility:** Strong Acids, Oxidizers

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide

**Hazardous Polymerization:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

**Eye:** Will produce redness, burning and stinging. Prolonged and/or repeated contact may cause chemical conjunctivitis which may cause blindness

**Skin:** Will cause irritation, drying, and dermatitis

**Ingestion:** Poisonous if swallowed.

**Inhalation:** Will cause headache, nausea, and dizziness

**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

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

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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

**Technical Shipping Name:**

**D.O.T. Hazard Class:**

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

**Product RQ (lbs):**

**D.O.T. Label:**

**D.O.T. Placard:**

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

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**TSCA Status:** TSCA8G- Material is listed or exempted

**CERCLA Reportable Quantity:** Not listed

**SARA Title III:**

**Section 302 Extremely Hazardous Substances:** None

**Section 311/312 Hazardous Categories:** Fire Hazard, acute health hazard

**Section 313 Toxic Chemicals:** Form R- Reporting requirements- Methanol

**California Proposition 65:** This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

## SECTION 16: OTHER INFORMATION

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### New Jersey Right to Know Information

#### Hazard Rating System:

	HMIS III Rating	NFPA Hazard Codes
Health	1	1
Flammability	3	0
Reactivity	N/A	0
Physical Hazard	0	N/A

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