

# Safety Data Sheet

Revision date: 1/6/17

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Code:</b> LO-325	
<b>Product Name:</b> Lemon Oil	
<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> 1/6/17
	<b>Signature of Preparer (optional):</b> Ken Cioletti

## SECTION 2: HAZARDS IDENTIFICATION

GHS Classification : Category 1: Aspiration hazard, Label: GHS 08, Signal word: Danger

Human Health Hazards: H304 May be fatal if swallowed and enters airways

Physico-chemical and environmental hazards and effects: None



Danger

May be fatal if swallowed and enters airways.

- SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS Registry #	% w/w	ACGIH STEL(MIST)	TWA(MIST)
Mineral Oil	8042-47-5	95-100	10mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Lemon Oil	8008-56-8	1-5	N/A	N/A

## 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.

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## SECTION 5: FIRE FIGHTING MEASURES

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**Flammable Properties:**

Flash Point: >212°F

Method Used: COC

**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 in use. Do not store near food.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b> Colorless to Light Yellow Liquid	<b>Physical State:</b> Liquid
<b>Boiling Point:</b> >230°C	<b>Solubility in Water:</b> Insoluble
<b>Evaporation Rate:</b> NA	<b>Density:</b> 7.6 LB/ GAL
<b>Freezing Point:</b> NA	<b>Specific Gravity:</b> 0.91
<b>Melting Point:</b> NA	<b>Vapor Density:</b> NA
<b>Molecular Weight:</b> Mixture	<b>Vapor Pressure:</b> NA
<b>Odor:</b> Lemon	<b>Viscosity:</b> ~100 SUS @ 100°F
<b>pH:</b> NA	<b>% Volatile:</b> <5%
	<b>Partition Coefficient:</b> log POW >6

## SECTION 10: STABILITY AND REACTIVITY

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**Chemical Stability:** Stable at normal conditions

**Incompatibility:** Extreme Temperature, UV Light, Strong Oxidizing agents

**Hazardous Decomposition Products:** Oxides of Carbon, Soot

**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 which may cause blindness

**Skin:** May cause skin irritation after prolonged or repeated exposure

**Ingestion:** Will cause nausea, vomiting, diarrhea and irritation and/or burns to the digestive tract

**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.

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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)

**D.O.T. Shipping Name:** Liquid Wood Preservative  
**Technical Shipping Name:** NA  
**D.O.T. Hazard Class:** 55  
**U.N. / N.A. Number:** NA  
**Product RQ (lbs):** NA  
**D.O.T. Label:** NA  
**D.O.T. Placard:** NA

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

**TSCA Status:** All Ingredients Listed  
**CERCLA Reportable Quantity:** NA  
**SARA Title III:**  
     **Section 302 Extremely Hazardous Substances:** None  
     **Section 311/312 Hazardous Categories:** None  
     **Section 313 Toxic Chemicals:** None

**SCAQMD Information:**

**California Proposition 65:** None of the products composing this mixture is listed under Proposition 65

## SECTION 16: OTHER INFORMATION

**New Jersey Right to Know Information****Hazard Rating System:**

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

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