SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name : Monterey
Product form : liquid
Other means of identification : 5445 Black, 5442 Blue, 5441 Red, 5430 Dark Blue, 5443 Green
*All colors are not available in all states

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Antifouling

1.3. Details of the supplier of the safety data sheet
New Nautical Coatings, Inc.
Sea Hawk Premium Yacht Finishes
14805 49th Street North
Clearwater, FL 33762
USA Only: 1-800-528-0997
International: (727) 523-8053

1.4. Emergency telephone numbers
Emergency number : CHEMTREC day or night inside USA & Canada
1-800-424-9300
Emergency number : CHEMTREC day or night outside USA & Canada
+1-703-741-5970
Emergency number : Poison Control Center
1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Acute Tox. 4 (Oral) H302
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Warning
Hazard statements (GHS-US):
H302 - Harmful if swallowed
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (GHS-US):
P264 - Wash hands, forearms and face thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment
P301+P312 - If swallowed: Call a doctor if you feel unwell
P330 - Rinse mouth
P391 - Collect spillage
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
No data available
SECTION 3: Composition/information on ingredients

3.1. Substance

<table>
<thead>
<tr>
<th>Substance type</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>Product identifier</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>(CAS No) 1314-13-2</td>
</tr>
<tr>
<td>Cuprous oxide</td>
<td>(CAS No) 1317-39-1</td>
</tr>
<tr>
<td>Cupric Oxide</td>
<td>(CAS No) 1317-38-0</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>(CAS No) 1336-21-6</td>
</tr>
</tbody>
</table>

Full text of H-phases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause nose and throat irritation.

Symptoms/injuries after skin contact: May cause skin irritation.

Symptoms/injuries after eye contact: May cause eye irritation.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause abdominal pain, nausea, vomiting or drowsiness.

4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media


5.2. Special hazards arising from the substance or mixture

Fire hazard: Product is not flammable

Explosion hazard: Product is not explosive

Reactivity: No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see item 8).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment: Wear Protective equipment as described in Section 8.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.
6.2. Environmental precautions
Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Exclude sources of ignition and ventilate the area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Waste from this product may be hazardous as defined under RCRA (40 CFR 261).

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking. Use appropriate personal protection equipment (PPE).

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use.
Storage temperature: < 38 °C (100°F)

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Exposure

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH STEL (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>OSHA PEL (STEL) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide (1314-13-2)</td>
<td>2 mg/m³ (respirable fraction)</td>
<td>10 mg/m³ (respirable fraction)</td>
<td>5 mg/m³ (respirable fraction)</td>
<td>10 mg/m³ (fume)</td>
</tr>
<tr>
<td>Ammonium hydroxide (1336-21-6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper(I) oxide (1317-39-1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper oxide (CuO) (1317-38-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.
Monterey Safety Data Sheet
Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Personal protective equipment:

Hand protection:
- Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection:
- Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection:
- Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection:
- Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Black, Blue, Red, Dark Blue, Green *All colors are not available in all states</td>
</tr>
<tr>
<td>Odor</td>
<td>No odour.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Relative evaporation rate (ether=1)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not Measured</td>
</tr>
</tbody>
</table>
| Flash point                             | Black = N/A  
Blue = N/A  
Red = N/A  
Dark Blue = N/A  
Green = N/A                                                                 |
| Self ignition temperature               | No data available                                                                                                                    |
| Decomposition temperature               | No data available                                                                                                                    |
| Flammability (solid, gas)               | No data available                                                                                                                    |
| Vapor pressure                          | Not Measured                                                                                                                         |
| Relative vapor density at 20 °C         | Heavier than air                                                                                                                     |
| Relative density                        | Black = 2.53 g/ml at 77°F (25°C)  
Blue = 2.48 g/ml at 77°F (25°C)  
Red = 2.55 g/ml at 77°F (25°C)  
Dark Blue = 2.48 g/ml at 77°F (25°C)  
Green = 2.49 g/ml at 77°F (25°C) *All colors are not available in all states |
| Solubility                              | Water: Yes                                                                                                                           |
| Log Pow                                 | No data available                                                                                                                    |
| Log Kow                                 | No data available                                                                                                                    |
| Viscosity, kinematic                    | No data available                                                                                                                    |
| Viscosity, dynamic                      | No data available                                                                                                                    |
| Explosive properties                    | No data available                                                                                                                    |
| Oxidizing properties                    | No data available                                                                                                                    |
| Explosive limits                        | No data available                                                                                                                    |

9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
Avoid contact with: Strong oxidizing agents.

10.6. Hazardous decomposition products
Material may burn but does not ignite readily. Fire may produce irritation, corrosive and/or toxic gases. Containers may explode when heated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Oral: Harmful if swallowed.

Zinc oxide (1314-13-2)
LD50 oral rat > 5000 mg/kg

Ammonium hydroxide (1336-21-6)
LD50 oral rat 350 mg/kg

Copper(I) oxide (1317-39-1)
LD50 oral rat 470 mg/kg
LD50 dermal rat > 2000 mg/kg
LC50 inhalation rat (mg/l) 5 mg/l/4h dust
ATE CLP (oral) 470.000 mg/kg bodyweight
ATE CLP (vapours) 5.000 mg/l/4h
ATE CLP (dust,mist) 5.000 mg/l/4h

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified

Symptoms/injuries after inhalation: May cause nose and throat irritation.
Symptoms/injuries after skin contact: May cause skin irritation.
Symptoms/injuries after eye contact: May cause eye irritation.
Symptoms/injuries after ingestion: Harmful if swallowed. May cause abdominal pain, nausea, vomiting or drowsiness

SECTION 12: Ecological information

12.1. Toxicity
No data available.

12.2. Persistence and degradability
No data available.
12.3. Bioaccumulative potential
Not measured.

12.4. Mobility in soil
No data available.

12.5. Other adverse effects
This product contains no PBT/vPvB

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

Transport by sea
No additional information available

Transport by air
No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Zinc oxide (1314-13-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ammonium hydroxide (1336-21-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on United States SARA Section 313
RQ (Reportable quantity, section 304 of EPA’s List of Lists): 1000 lb

Copper(I) oxide (1317-39-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
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Copper oxide (CuO) (1317-38-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA
No additional information available

### Silica: Crystalline, quartz (14808-60-7)

<table>
<thead>
<tr>
<th></th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Silica: Crystalline, quartz (14808-60-7)

<table>
<thead>
<tr>
<th></th>
<th>U.S. - New Jersey - Right to Know Hazardous Substance List</th>
<th>U.S. - Pennsylvania - RTK (Right to Know) List</th>
<th>U.S. - Massachusetts - Right To Know List</th>
</tr>
</thead>
</table>

### Zinc oxide (1314-13-2)

<table>
<thead>
<tr>
<th></th>
<th>U.S. - New Jersey - Right to Know Hazardous Substance List</th>
<th>U.S. - Massachusetts - Right To Know List</th>
<th>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</th>
</tr>
</thead>
</table>

### Ammonium hydroxide (1336-21-6)

<table>
<thead>
<tr>
<th></th>
<th>U.S. - Massachusetts - Right To Know List</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Indication of changes: Revision 3.0 – 12/19/2016 - Updated.
Other information: Mario Garneau (Edits by EKW)

NFPA health hazard: 2-intensive or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given

NFPA fire hazard: 0-Materials that will not burn

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 2
Flammability: 0
Physical hazard: 0
Personal Protection: H

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using this material in combination with any other material or any other process is the responsibility of the user. All materials present unknown health hazards and should be used with caution. Although certain hazards are described herein, the manufacturer and its agents cannot guarantee that these are the only hazards which exist. Further, the manufacturer and its agents assume no responsibility for personal injury or property damage to vendors, users, or third-parties caused by this material. User assumes all risks associated with the use of this material. No warranty, express or implied, is made and New Nautical Coatings, Inc assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.