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

1.1. Product identifier
Product name: Nautilus
Product form: Preparation

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

1.3. Details of the supplier of the safety data sheet
Ocean Organics Corp.
P.O. Box 1448
Waldoboro, ME 04572
888-312-0106

1.4. Emergency telephone number
1-207-542-3808

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Not a hazardous substance or mixture.

2.2. Label elements
GHS-US labelling
Not a hazardous substance or mixture.

2.3. Other hazards
None known

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: If exposed or concerned, get medical attention/advice. Do not leave the victim unattended. 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: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

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.

First-aid measures after eye contact: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

First-aid measures after ingestion: IF SWALLOWED: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after skin contact: May cause skin irritation.
Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion: May cause gastrointestinal irritation.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available.


**SECTION 5: Firefighting measures**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td></td>
<td>Unsuitable extinguishing media: None known.</td>
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</table>

<table>
<thead>
<tr>
<th>5.2. Special hazards arising from the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire hazard: Product is not combustible.</td>
</tr>
<tr>
<td>Explosion hazard: Product is not explosive.</td>
</tr>
<tr>
<td>Reactivity: The product is non-reactive under normal conditions of use, storage and transport.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5.3. Advice for firefighters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firefighting instructions: Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Do not dispose of fire-fighting water in the environment. Dispose of in accordance with relevant local regulations. Prevent human exposure to fire, fumes, smoke and products of combustion.</td>
</tr>
<tr>
<td>Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.</td>
</tr>
</tbody>
</table>

**SECTION 6: Accidental release measures**

<table>
<thead>
<tr>
<th>6.1. Personal precautions, protective equipment and emergency procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>General measures: Ventilate area. Remove ignition sources. Evacuate area.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6.1.1. For non-emergency personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective equipment: Wear Protective equipment as described in Section 8.</td>
</tr>
<tr>
<td>Emergency procedures: Evacuate unnecessary personnel.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6.1.2. For emergency responders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective equipment: For further information refer to section 8: “Exposure controls/personal protection”.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6.2. Environmental precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product is used as a soil surfactant and as such, may enter the environment. Product is not expected to pose a hazard to the environment, but large quantity releases should be avoided. Prevent entry into waterways.</td>
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</table>

<table>
<thead>
<tr>
<th>6.3. Methods and material for containment and cleaning up</th>
</tr>
</thead>
<tbody>
<tr>
<td>For containment: Prevent further leakage or spillage, if safe to do so. Absorb spillage to prevent material damage.</td>
</tr>
<tr>
<td>Methods for cleaning up: Absorb spillage to prevent material damage. Use reasonable personal protective equipment as required. Soak up excess with inert absorbent material, or take up mechanically. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6.4. Reference to other sections</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Sections 8 and 13.</td>
</tr>
</tbody>
</table>

**SECTION 7: Handling and storage**

<table>
<thead>
<tr>
<th>7.1. Precautions for safe handling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautions for safe handling: Wear personal protective equipment. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7.2. Conditions for safe storage, including any incompatibilities</th>
</tr>
</thead>
</table>

**SECTION 8: Exposure controls/personal protection**

<table>
<thead>
<tr>
<th>8.1. Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.2. Exposure controls</td>
</tr>
</tbody>
</table>

| 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. |

| Personal protective equipment: Gloves. Safety glasses. |

| Hand protection: Wear gloves suitable for this specific application. |
| Eye protection: Use eye protection suitable to the environment. Avoid direct contact with eyes. |
Nautilus
Safety Data Sheet
Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Respiratory protection: In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
- Physical state: Liquid
- Color: Light Tan
- Odor: Characteristic
- Odor Threshold: No data available
- pH: 2.5 - 5.0
- Relative evaporation rate (butylacetate=1): No data available
- Melting point: No data available
- Freezing point: 0 C
- Boiling point: 100 C
- Flash point: No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapour pressure: No data available
- Relative vapour density at 20 °C: No data available
- Relative density: 1.03 – 1.05 g/mL
- Solubility: Soluble in water.
- 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
- Oxidising 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
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Extremely high or low temperatures.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
Carbon Oxides (monoxide (CO), carbon dioxide (CO₂), etc.)

SECTION 11: Toxicological information

11.1. Information on toxicological effects
- Acute toxicity: Not classified
- 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 respiratory irritation.
Symptoms/injuries after skin contact: May cause skin irritation.
Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion: May cause gastrointestinal irritation.

SECTION 12: Ecological information
Soil surfactants may be harmful to aquatic life with short term effects, depending on amount released.
12.1. Toxicity
Ecology - general: No information available.
12.2. Persistence and degradability
Nautilus
Persistence and degradability: No data available.
12.3. Bioaccumulative potential
Nautilus
Bioaccumulative potential: No information available.
12.4. Mobility in soil
No additional information available
12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations
13.1. Waste treatment methods
The simplest method for disposal is to use the product as intended, as soil surfactant applied to soils.
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
In accordance with DOT
Not hazardous for transport
Additional information
Other information: No supplementary information available.

Transport by sea
No additional information available
Air transport
No additional information available

SECTION 15: Regulatory information
15.1. US Federal regulations
Nautilus
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt
SARA Section 311/312 Hazard Classes: None

15.2. International regulations
No additional information available.
15.3. US State regulations

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

SECTION 16: Other information

**Indication of changes**: Revision 1.0: New SDS Created.

**Revision date**: 10/31/2017

**Other information**: 

**NFPA health hazard**: 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

**NFPA fire hazard**: 1 - Must be preheated before ignition can occur.

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

**HMIS III Rating**

- **Health**: 0
- **Flammability**: 1
- **Physical**: 0
- **Personal Protection**: 

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as Nautilusing any specific property of the product.