

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

#### 1.1. Product identifier

Product name: SeaGreenEst 15-2-2

Product form: Mixture

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Seaweed extract-based liquid fertilizer

#### 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

Skin Irrit. 2 H315  
Eye Irrit. 2B H320  
STOT RE 2 H373

#### 2.2. Label elements

##### GHS-US labelling



Hazard pictograms (GHS-US) :

GHS07 GHS08

Signal word (GHS-US): **Warning**

Hazard statements (GHS-US): H315 - Causes skin irritation

H320 - Causes eye irritation

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US): P260 - Do not breathe dust

P264 - Wash hands, forearms, and face thoroughly after handling

P280 - Wear eye protection, protective gloves

P302+P352 - If on skin: Wash with plenty of soap and water

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P314 - Get medical advice/attention if you feel unwell

P321 - Specific treatment (see first aid instructions on this label)

P332+P313 - If skin irritation occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

P501 - Dispose of contents/container to hazardous or special waste collection points, in accordance with local, regional, national and/or international regulation

#### 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

Not applicable

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### 3.2. Mixture

| Name  | Product identifier  | %         |
|---|---------------------|-----------|
| Copper Sulfate Pentahydrate   | (CAS No)7758-99-8   | 0.2 – 1.3 |
| Methanaminium, 1-carboxy-N,N,N-trimethyl-, inner salt (Betaine)   | (CAS No) 107-43-7   | 3 - 7     |
| Ethylenediaminetetraacetic acid, tripotassium   | (CAS No) 17572-97-3 | 3 - 7     |
| Salt and other organic compounds  | Proprietary*        | 1 - 5     |
| Diammonium ethylenediaminetetraacetate  | (CAS No) 20824-56-0 | 1 - 5     |
| Zinc Sulfate  | (CAS No) 7446-19-7  | 0.2 – 1.3 |
| *In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity has been withheld as a trade secret |                     |           |

## 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 comfortable position for breathing.

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: Causes serious eye irritation. Causes skin irritation. May cause damage to organs through prolonged or repeated exposure.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: May cause gastrointestinal irritation.

Chronic symptoms: May cause damage to organs through prolonged or repeated exposure.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Water spray. Carbon dioxide. Dry powder. Foam. Sand.

Unsuitable extinguishing media: None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard: Product is not combustible.

Explosion hazard: Product is not explosive.

Reactivity: The product is non-reactive under normal conditions of use, storage, and transport.

### 5.3. Advice for firefighters

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

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environment. Dispose of in accordance with relevant local regulations. Prevent human exposure to fire, fumes, smoke and products of combustion.  
Protection during firefighting: Do not enter the fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures: Ventilate area. Remove ignition sources. Evacuate area.

##### 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: For further information, refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Product is used as a fertilizer 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.

#### 6.3. Methods and material for containment and cleaning up

For containment: Sweep or shovel spills into appropriate containers for disposal.

Methods for cleaning up: Eliminate ignition sources. Sweep or shovel spills into appropriate containers for disposal. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

#### 6.4. Reference to other sections

See Sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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 workstation. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep the container closed when not in use. Store in a cool, dry place.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Diammonium ethylenediaminetetraacetate (20824-56-0) |                      |
|---|----------------------|
| Remark (ACGIH)                                      | OELs not established |
| Remark (OSHA)                                       | OELs not established |

| Methanaminium, 1-carboxy-N,N,N-trimethyl-, inner salt (Betaine) |                      |
|---|----------------------|
| Remark (ACGIH)  | OELs not established |
| Remark (OSHA)   | OELs not established |

| Copper Sulfate Pentahydrate (7758-99-8) |                      |
|---|----------------------|
| Remark (ACGIH)                          | OELs not established |
| Remark (OSHA)                           | OELs not established |

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### 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.

Personal protective equipment: Gloves. Safety glasses.



Hand protection: Wear gloves suitable for this specific application.

Eye protection: Safety glasses.

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: Brown.

Odor: Slight. Slight marine odor.

Odor Threshold: No data available

pH:  $\approx$  6.3

Relative evaporation rate: Comparable to water

Melting point: No data available

Freezing point: No data available

Boiling point: 210 °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: 1.25

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.

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### 10.4. Conditions to avoid

Ignition sources. Extremely high or low temperatures.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Not classified. Inhalation: dust, mist: Not classified.

|   |           |
|---|-----------|
| Copper Sulfate Pentahydrate (7758-99-8) |           |
| LD50 oral rat                           | 960 mg/kg |

Skin corrosion/irritation: Causes skin irritation.

pH: ≈ 6.3

Serious eye damage/irritation: Causes eye irritation.

pH: ≈ 6.3

Respiratory or skin sensitization: Not classified. 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): May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified Symptoms/injuries after inhalation: May cause respiratory irritation. Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: May cause gastrointestinal irritation.

Chronic symptoms: May cause damage to organs through prolonged or repeated exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general: No information available.

### 12.2. Persistence and degradability

|                               |                    |
|-------------------------------|--------------------|
| SeaGreenEst 15-2-2            |                    |
| Persistence and degradability | No data available. |

### 12.3. Bioaccumulative potential

|                           |                           |
|---------------------------|---------------------------|
| SeaGreenEst 15-2-2        |                           |
| Bioaccumulative potential | No information available. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods: Do not discharge to public wastewater systems without the 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

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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

Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### 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

##### Copper Sulfate Pentahydrate (7758-99-8)

U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - New Jersey - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### SECTION 16: Other information

Indication of changes: First version

Revision date: 04/02/2024

Other information : Author: SNW

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

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

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

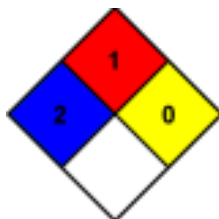
**HMIS III Rating**

Health: 2\*

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 guaranteeing any specific property of the product