



ChitoGuard 0-0-2

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision date: 10/17/2024 Supersedes: none Version: 1.0

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

1.1. Product identifier

Product name: ChitoGuard 0-0-2

Product form: Mixture

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

Use of the substance/mixture: Liquid fertilizer supplement

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
Eye Dam. H318
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

Hazard statements (GHS-US): H318 - Causes skin irritation

H318 - Causes eye damage

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/containers 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

3.2. Mixture

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Name	Product identifier	%
Poly-D-Glucosamine	(CAS No) 9012-76-4	7 - 13
Caprylyl Capryl Wheat Bran/Straw Glycosides	(CAS No) 1235391-18-0	2 - 6
Potassium Citrate	(CAS No) 6100-05-6	3 - 7
*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 the 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 the 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 combustion products.
Protection during firefighting: Do not enter 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.

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6.1.2. For emergency responders

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

6.2. Environmental precautions

The product is used as a fertilizer and, as such, may enter the environment. It 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. Stay away from heat, hot surfaces, sparks, open flames, and other ignition sources. Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Poly-D-Glucosamine (9012-76-4)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Caprylyl Capryl Wheat Bran/Straw Glycosides (1235391-18-0)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Potassium Citrate (6100-05-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

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.

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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 sweet odor.
Odor Threshold: No data available
pH: ≈ 6.0
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
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: 1.02
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
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
The product is non-reactive under normal use, storage, and transport conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None known.

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 (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: 5000 mg/kg. Inhalation: dust, mist: Not classified.

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Caprylyl Capryl Wheat Bran/Straw Glycosides (1235391-18-0)	
LD50 oral rat	101 mg/L

Potassium Citrate (6100-05-6)	
LD50 oral rat	5400 mg/kg (Rat)

Skin corrosion/irritation: Causes skin irritation.
pH: ≈ 6.0

Serious eye damage/irritation: Causes eye irritation.
pH: ≈ 6.0

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.

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Persistence and degradability	No data available.

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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
Waste treatment methods: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to the surface waters are allowed without an NPDES permit.

Waste disposal recommendations: Dispose safely in accordance with local/national regulations. Do not allow the product to be released into the environment.

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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

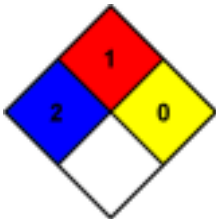
15.2. International regulations
No additional information available.

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

SECTION 16: Other information

Indication of changes: Revision 1.0: Creation of new SDS
Revision date: 10/17/2024
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 are 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.