

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

1.1. Product identifier

Product name : XP Extra Protection 5-0-0

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 point, 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

Name	Product identifier	%
Ferrous sulfate heptahydrate	(CAS No) 7782-63-0	7 - 13
Magnesium nitrate hexahydrate	(CAS No) 13446-18-9	7 - 13
Manganese sulfate monohydrate	(CAS No) 10034-96-5	3 - 7
Liquid fish solubles	NA	3 - 7

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Name	Product identifier	%
Methanaminium, 1-carboxy-N,N,N-trimethyl-, inner salt	(CAS No) 107-43-7	3 - 7
Salt and other organic compounds	Proprietary*	1 - 5
Diammonium ethylenediaminetetraacetate	(CAS No) 20824-56-0	1 - 5
*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 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 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 container for disposal.

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Methods for cleaning up : Eliminate ignition sources. Sweep or shovel spills into appropriate container 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 work station. 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 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
Ferrous sulfate heptahydrate (7782-63-0)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Nitric acid, magnesium salt, hexahydrate (13446-18-9)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Manganese sulfate monohydrate (10034-96-5)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Methanaminium, 1-carboxy-N,N,N-trimethyl-, inner salt (107-43-7)	
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.

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 : ≈ 4.5
Relative evaporation rate : Comparable to water
Melting point : No data available
Freezing point : No data available
Boiling point : 210 °C

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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.

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: Not classified. Inhalation:dust,mist: Not classified.

Ferrous sulfate heptahydrate (7782-63-0)	
LD50 oral rat	1520 mg/kg
Nitric acid, magnesium salt, hexahydrate (13446-18-9)	
LD50 oral rat	5440 mg/kg

Skin corrosion/irritation	: Causes skin irritation. pH: ≈ 4.5
Serious eye damage/irritation	: Causes eye irritation. pH: ≈ 4.5
Respiratory or skin sensitisation	: 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.

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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

XP Extra Protection 5-0-0	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

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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 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

XP Extra Protection 5-0-0	
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

Ferrous sulfate heptahydrate (7782-63-0)	
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	

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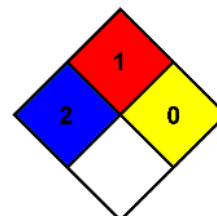
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SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.
Revision date : 11/17/2015
Other information : Author: CJS.

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