



Safety Data Sheet

Algamin XTO

1. IDENTIFICATION

TRADE NAME: Algamin XTO
SYNONYMS: Ohrstrom's Algamin XTO, Algamin XTO Liquid Seaweed Extract
PRODUCER: P. B Ohrstrom & Sons, Inc.
ADDRESS: 900 Lively Blvd.
CITY, STATE & ZIP CODE: Elk Grove Village, IL 60007
TELEPHONE: 847-956-8828
FAX: 847-364-7374
CONTACT PERSON: Tom Ohrstrom
EMERGENCY TELEPHONE: 847-956-8828
RECOMMENDED USES: Crop Fertilizers and Soil Amendment
RESTRICTIONS ON USE: None

2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION: Non-hazardous and non-toxic. This product does not require special labeling.
SAFETY PRECAUTIONS: Wear suitable protective eye protection and clothing due to staining.

3. COMPOSITION OF PRODUCT

No.	Ingredients Name	CAS-NO	Cons. (weight %)	Classification
1	Ascophyllum nodosum seaweed	84775-78-0	100%	IK

LEGEND: T+ = Very Toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, IK = No Classification Required, E = Explosive, O = Oxidizing, F+ = Extremely Flammable, F = Very Flammable, Fo = Flammable, N = Dangerous to Environment, Mu = Genotoxic, Sens = Sensitizing, Care = Carcinogen, Repr = Causes Birth Defects

4. FIRST AID MEASURES

GENERAL: Non-toxic. If irritation persists, seek medical advice from a physician.
EYE CONTACT: Immediately flush eyes with plenty of water for 10-15 minutes. Keep eyes wide open while flushing. Seek medical attention if irritation persists.
SKIN CONTACT: Wash with mild soap and water. Seek medical attention if discomfort persists.
INHALATION: Do not intentionally breathe vapors. Ventilate the area well and go to an open space.

INGESTION: Non-toxic if ingested. Wash out mouth with water and drink milk or water. Possible irritation of mouth and digestive tract.

FIRST AID FACILITIES: Eyewash station and normal washroom facilities.

ADVICE TO DOCTOR: Treat symptomatically.

OTHER INFORMATION: For advice in any emergency, contact a Poison Control Center at 1-800-222-1222 or contact a physician at once.

5. FIRE FIGHTING MEASURES

PROPER EXTINGUISHING EQUIPMENT: Use extinguishing media appropriate for surrounding fire. Caution: Slippery in liquid form or when mixed with water. No unusual fire or explosion hazards noted.

FIRE & EXPLOSION HAZARDS: Non-flammable. Non-explosive.

POSSIBLE SPECIAL HAZARDS: This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn. As a water based product, if spilt on electrical equipment the product will cause short-circuits.

FIREFIGHTER PRECAUTIONS: Wear full protective equipment and a self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

SAFETY MEASURES TO PROTECT PERSONS: Wear suitable protective clothing, gloves and eye protection.

PROPER METHODS FOR DAMAGE LIMITATION & CLEAN UP: Wear suitable protective clothing, gloves and eye protection. Absorb large spills with sand or any suitable medium. Handle in a well ventilated area. Dispose of according to local authority guidelines.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid inhalation, direct contact with skin and eyes. Use personal protective equipment as specified in section 8. Always respect hygienic rules, do not drink or eat in work areas.

STORAGE RECOMMENDATIONS: Store tightly sealed containers in a cool, dry, well ventilated place. Keep out of direct sunlight. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL: Eyewash facilities should be available.

EXPOSURE LIMITS: No data available.

RESPIRATION PROTECTION: No respiratory protection required during normal handling.

EYE PROTECTION: Eye protection should be worn when handling due to temporary staining.

HAND PROTECTION: Gloves should be worn when handling due to temporary staining.

SKIN PROTECTION: No special personal protection required under conditions of intended use. In the event of a bulk spill, wear appropriate protective clothing. Handle in well-ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Air Reactive	N/A
Color	Dark Brown	Percent Volatile	N/A
Odor	Marine-like	Density	1.21 kg/dm ³
Solubility	100% Water Soluble	Bulk Density	N/A
Melting Point/Range	N/A	Vapor Pressure	N/A
Explosive Limits (LEL/UEL)	N/A	Viscosity	Not Determined
Vapor Pressure	Not Determined	Solubility in Water	100% at 20°
Decomposition Temp.	Not Determined	Saturation Conc.	Not Determined
pH Value	8.5-10 at 20° C	Rel. Density Sat. Air (Air = 1)	Not Determined
Flash Point	Not Flammable	Boiling Point/Range	Not Determined
Specific Gravity	9.19 lbs/Gallon	Smelling Limits (Lo-High)	Not Determined
Ignition Temp.	No Data	Rel. Evap. Velocity	Not Determined
Vapor Density (air = 1)	Not Determined	Water Reactive	N/A

10. STABILITY AND REACTIVITY

STABILITY:	Product is stable under normal use and storage conditions.
CONDITIONS TO AVOID:	Excessive heat or freezing temperatures and direct sunlight.
MATERIALS TO AVOID:	Strong acids and strong oxidizing agent may cause degradation.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not Available
HAZARDOUS POLYMERIZATION:	Will not occur

11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION:	No adverse health effects are expected under normal conditions of use. Symptoms and effects that may arise if the product is mishandled and overexposure occur are listed below.
ACUTE TOXICITY:	No acute toxicity study is provided due to the nature of the substance. This product is not deemed to pose any toxicological hazard.
ROUTES OF EXPOSURE:	Can be an irritant for the nose and respiratory system if inhaled. Can be an irritant for the mouth, nose, throat and digestive tract if ingested. Can be an irritant for the skin or the eyes.
INGESTION:	Ingestion of significant amounts may cause nausea and discomfort.
OCULAR:	May be irritating to the ocular tissue of non-irrigated eyes. The symptoms may include redness, itching and tearing.
DERMAL:	May be irritating to the skin. The symptoms include redness, itching and swelling.
INHALATION:	Inhalation may cause irritation of the nose, throat, and respiratory system

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Plant nutritional supplement and plant vitamin; high concentrations may cause burn of plants.
BREAKDOWN:	Product presents minimal environmental impact.
PERSISTENCE/DEGRADABILITY:	No data available
BIOACCUMULATIVE:	Product is not expected to bio accumulate.
ENVIRONMENTAL:	Large quantities should not be discharged into waterways, drains, or sewers.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL:	Not classified as hazardous waste. Product must be disposed of in accordance with all applicable Federal, State and local regulations.
CONTAINER DISPOSAL:	When possible, containers should be rinsed with clean water and disposed of in line with local regulations.

14. TRANSPORT INFORMATION

GENERAL:	Non-hazardous material according to transportation regulations. No special precautions are necessary.
IMDB MARINE POLLUTANT:	No

15. REGULATORY INFORMATION

REGULATORY INFORMATION:	Classified as non-hazardous. Substance is subject to any prohibitions or restrictions in the country or region where it is being shipped.
SAFETY:	Keep out of reach of children.
REFERENCES:	SDS

16. OTHER INFORMATION

DATE OF PREPARATION:	June 2015
LAST REVISION DATE:	January 11, 2017

Issued June 2015. This revised SDS cancels and replaces any preceding SDS release or MSDS. It refers solely to the product indicated and constitutes no guarantee of particular quality.

VENDOR NOTES

Every endeavor has been made to ensure that the information contained in this SDS leaflet is reliable, but we cannot accept liability for any loss, injury or damage, which may result from its use or misuse. Data given in this SDS is solely for the guidance in safe handling and use of the product by customers; they do not form part of any specification. If any difficulties arise, we shall be glad to discuss them. Customers are encouraged to conduct their own tests following discussion with our technical department. The above information is based on experience, but it is always advisable for customers to satisfy themselves, by consultation with our technical department and small-scale testing is necessary, that product, which they have selected, is suitable for their purpose under their conditions of use.