

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration  
**MATERIAL SAFETY DATA SHEET**

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**Nutri•Rational® True Foliar® N 19-1-6**

**SECTION I**

Manufacturer's name: **Emerald Isle, Ltd./**  
Ocean Organics  
Emergency Tel: 800-628-4769 or  
207-832-4305  
Address: 2153 Newport Rd.,  
Ann Arbor, MI 48103  
Date of Creation: 1-1-09  
Chemical Family: Ascophyllum Nodosum  
and N-P-K Fertilizer  
Solution  
Activity: 19% N, 1% P, 6% K,  
0.10% Cu, 1.20% Fe,  
0.18% Mn, 0.15% Zn

**SECTION II - Hazardous Ingredients/  
Identity Information**

Hazardous Components: None known  
Chemical Name: N/A

**SECTION III - Physical/Chemical  
Characteristics**

Boiling Point >H<sub>2</sub>O  
Specific Gravity 1.30  
Vapor Pressure N/A  
Vapor Density N/A  
Melting Point N/A  
Evaporation Rate <H<sub>2</sub>O  
Appearance and Odor: Dark Reddish Brown  
pH 7.6

**SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method): N/A  
Flammable Limits:  
LEL: N/A  
UEL: N/A  
Extinguishing Media: Water  
Special Firefighting  
Procedures: N/A  
Unusual Fire & Explosion  
Hazards: N/A

**SECTION V - Reactivity Data**

Stability: Stable  
Conditions to Avoid: N/A  
Incompatibility:  
Materials to avoid N/A  
Hazardous Decomposition  
or By-Products: N/A  
Hazardous Polymerization: N/A

**SECTION VI - Health Hazard Data**

Toxicity: None Found  
Routes of Entry: Skin, Ingestion  
Carcinogenicity:  
NTP: No  
IARC Monographs: No  
OSHA Regulated: No

Emergency & First Aid  
Procedures:

Eyes:

Skin:

Ingestion:

This product may cause eye and skin irritation. Immediately flush eyes with copious amounts of water for at least 15 minutes. Call a Physician. Wash contaminated areas with copious amounts of water. If skin irritation persists, consult a Physician.  
Do not give anything by mouth to an unconscious person. If swallowed, do not induce vomiting; give one or two glasses of milk or water. Contact Physician immediately.

CONTINUED



**Lebanon Seaboard Corporation**  
1600 E. Cumberland St. • Lebanon, PA 17042  
Made in the U.S.A.

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products visit [www.LebanonTurf.com](http://www.LebanonTurf.com)

## SECTION VII - Precaution for Safe Handling and Use

|                                                            |                                                                                                                                                                                                         |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Steps to be Taken in Case Material is Released or Spilled: | Absorb liquid spills with a dry absorbent. Containerize unusable material for disposal in an approved waste facility.                                                                                   |
| Waste Disposal Method:                                     | Dispose in closed containers at an approved landfill, in accordance with local, state, and federal regulations. Material may also be flushed with water to an appropriate waste water treatment system. |
| Precaution to be Taken in Handling & Storage:              | Store in closed containers.                                                                                                                                                                             |
| Other Precautions:                                         | Avoid ingestion and contact with eyes, skin, and clothing.                                                                                                                                              |

## SECTION VIII - Control Measures

|                         |                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory Protection: | NIOSH/MSHA approved for mists. Use with adequate ventilation and employ respiratory protection when exposure to mist and spray is possible. |
| Ventilation:            | N/A (have adequate ventilation)                                                                                                             |
| Protective Clothing:    | Impervious gloves                                                                                                                           |
| Eye Protection:         | Side-shield safety glasses or goggles                                                                                                       |

### Other Protective Clothing & Equipment:

Wear protective clothing (including chemical-resistant safety shoes) to minimize skin contact. Wash contaminated clothing with detergent and warm water prior to reuse. Safety showers and eyewash stations should be provided in areas where product is to be handled.

### Work/Hygienic Practices:

Good housekeeping practices should be followed to minimize exposure to product.

## Conditions of Sale:

The information presented herein is believed to be correct, but no claim is made as to the accuracy or completeness of this information. The Manufacturer warrants only that product conforms to label description. No other warranty is made with regard to merchantability, fitness for a particular use, or product performance. Buyer and user agree to accept all liability associated with handling, use, and disposal of this product. Sole remedy for any damage or consequences from use of this product shall be recovery of product's purchase price.