



41 Cross Street | Waldoboro, Maine 04572, USA  
P 207-832-5376 F 207-832-6905 | 1-888-662-5357 | [nak@noamkelp.com](mailto:nak@noamkelp.com)

## SAFETY DATA SHEET

NAK MFG Soluble Seaweed Fertilizer Powder 0-15-11

### 1. Identification

**Product Identifier:** NAK MFG Soluble Seaweed Fertilizer Powder 0-15-11

**Chemical Name:** *Ascophyllum nodosum* extract in dry powder form

**CAS No.:** 84775-78-0

**Rec. Use:** Agricultural input, plant nutritional supplement

**Type of Substance:** Nonhazardous UVCB (Unknown or Variable Composition - Complex Reaction Product - or Biological Material) substance.

**Manufacturer:** North American Kelp

**Address:** 41 Cross Street  
Waldoboro, Maine 04572, U.S.A.

**Emergency Phone:** (207) 832-5376

**Information Phone:** (207) 832-5376

**Contact Person:** Jake Wilson - General Manager

**E-mail:** [jake@noamkelp.com](mailto:jake@noamkelp.com)

**Issued by:** North American Kelp technical department

### 2. Hazards Identification

CAUTION. May cause moderate eye irritation. May cause mild skin irritation. Inhalation of dust may cause mild respiratory irritation.

### 3. Composition of Product

No.	Ingredient Name	CAS No.	Cons. (% w/w)	Classification
1.	Kelp extract	84775-78-0	92%	No Classification Required
2.	Phosphoric acid	7664-38-2	8%	OSHA PEL / ACGIH TLV 1 mg/m <sup>3</sup>

### 4. First Aid Measures

#### General

Personal Protective Equipment (PPE) should be worn as described in section 8.

#### Eye contact

Causes moderate eye irritation. In case of exposure, immediately flush eyes with plenty of water. Keep eyes wide open while flushing for 15-20 minutes. If wearing, remove contact lenses after the first 5 minutes. Call poison control or a doctor for treatment advice.

### **Skin contact**

Generally non-irritating to skin. If skin contact occurs: If it is necessary to remove contaminated clothing to access skin in area of contact, please do so. Wash affected area promptly and thoroughly with mild soap and water; and rinse washed area. If irritation or discomfort occurs and persists, seek medical attention.

### **Inhalation**

Dust may cause mild respiratory irritation. Handle product in well-ventilated space. Avoid creation of dust from handling of product. If dust inhalation occurs: Remove person to fresh air from dusty area. If person experiences irritation of mouth, nose, throat, and upper respiratory tract and/or difficulty in breathing, seek medical attention without delay.

### **Ingestion**

Product is non-toxic by ingestion. Drink plenty of water or milk. Seek medical attention if discomfort occurs.

## **5. Fire-Fighting Measures**

### **Flash Point**

Not applicable.

### **Extinguishing media**

Use extinguishing media appropriate for surrounding fire.

### **Special hazards arising from the substance or mixture**

Non-flammable. Non-explosive.

### **Combustion Products**

Not hazardous.

### **Precautions**

Product may be slippery when mixed with water.

## **6. Accidental Release Measures**

### **Personal precautions, protective equipment, and emergency procedures**

Wear suitable protective clothing, gloves, and eye protection. Spilled product mixed with water may be slippery; exercise caution.

**Environmental precautions**

Avoid unnecessary release to the environment. Prevent spillage from entering drains and/or surface water. Contain spill.

**Methods and material for containment and cleaning up**

Wear protective clothing. Sweep up or shovel up the dry product. Avoid creating dust. Wash remaining spill with copious amount of water. Liquid residues can be absorbed with clay or other suitable absorptive media. Dispose of in accordance with federal, state (province), and local regulations.

**7. Handling and Storage****Precautions for safe handling**

Avoid handling which may cause staining. Use PPE as described in section 8.

**Storage**

Store away from strong oxidizing agents. Store in cool, dry place and not in direct sunlight.

**8. Exposure Control and Personal Protection****Exposure limits**

None assigned.

**Appropriate engineering controls**

No specific ventilation requirements. Eye wash station is recommended.

**Eye protection**

Wear safety goggles to prevent staining and possible irritation of eyes.

**Hand protection**

Wear gloves when handling due to potential for temporary staining.

**Personal Protection Equipment (PPE)**

Long-sleeved shirt and long pants, waterproof gloves, shoes and socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions, for washables use detergent and hot water. Keep and wash PPE separately from laundry.

**Safety Recommendations:**

Wash outside of gloves before removal. Remove PPE immediately after handling of product. Wash whole body thoroughly and change into clean clothing as soon as possible after handling.

Follow best practices for pesticide application; always wash hands before eating, drinking, chewing gum, using tobacco, or using the washroom.

## 9. Physical and Chemical Properties

State	Powder
Color	Reddish-brown
Odor	Marine-like
Solubility	100% water soluble
Explosive properties	Not Determined
Oxidizing properties	Not Determined
pH (rehydrated concentrate)	4.5-5
Melting point	Not Determined
Boiling Point	Not Determined
Flash Point	Not Determined
Bulk Density	36 lbs./ft <sup>3</sup>
Ignition temperature	550 °C

## 10. Stability and Reactivity

### Reactivity

Product is not reactive

### Stability

Product is stable under typical conditions

### Conditions to avoid

Avoid excessive heat and cold. Keep out of direct sunlight. Do not create dust. Avoid strong oxidizers.

### Hazardous decomposition products

Not applicable

### Hazardous polymerization

Not applicable

## 11. Toxicological information

### Acute oral toxicity

Non-toxic via ingestion. Ingestion of significant quantities may cause discomfort and nausea.

### Acute ocular toxicity

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing.

**Acute dermal toxicity**

CAUTION. May cause mild skin irritation. Avoid contact with skin or clothing.

**Acute dermal irritation**

CAUTION. Avoid contact with skin or clothing.

**Inhalation toxicity**

CAUTION. May cause mild respiratory irritation. Do not intentionally breathe dust or vapors.

**Skin sensitization**

Slight reddening of the skin observed.

**Chronic exposure**

Not observed.

**Carcinogenic properties**

The product is not classified as carcinogenic.

**12. Ecological information**

**Ecotoxicity**

Used as crop fertilizer (nutritional supplement). High concentrations may cause plant burn. Nontoxic to marine algae, vertebrates and invertebrates.

**Persistence and degradability**

Biodegradable in nature. Persistence and bioaccumulation not anticipated. Soluble in water but soil binding expected. Used as crop fertilizer.

**Groundwater considerations**

Not harmful if accidentally discharged into groundwater. Use manufacturer recommendations for crop application rates. Do not allow large quantities of the product to reach groundwater, waterways, or sewage systems.

**13. Disposal considerations**

Not classified as a hazardous material. Dispose of in accordance with Federal, State/Province, and Local Authority regulations.

#### **14. Transport information**

Classified as non-hazardous material according to transport regulations. No special precautions are necessary.

#### **15. Regulatory information**

Classified as non-hazardous/not dangerous. Requires no special labels.

#### **16. Other information**

**Issued February 2021**

**NOTE:**

Every endeavor has been made to verify that the information contained in this SDS 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 guidance in safe handling and use of the product by customers; they do not form part of any specification.

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 by small-scale testing, that this product which they have selected is suitable for their purpose under their conditions of use.