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## SAFETY DATA SHEET

NAK MFG Soluble Seaweed Extract Powder 0-0-18

### 1. Identification

**Product Identifier:** NAK MFG Soluble Seaweed Extract Powder 0-0-18

**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.

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

### 2. Hazards Identification

Non-hazardous. This product does not require hazard Identification.

### 3. Composition of Product

No.	Ingredient Name	CAS No.	Cons. (% w/w)	Classification
1.	Seaweed extract	84775-78-0	100%	No Classification Required

### 4. First Aid Measures

#### General

Non-hazardous material. Please refer to first aid measures below. If significant irritation or discomfort occurs and persists, please promptly seek medical advice from physician.

#### Eye contact

Generally non-irritating. If there is eye contact: Immediately irrigate/flush eye or eyes with large amounts of clean water for 10 minutes or longer if necessary. Keep eyes and

lids wide open when flushing. If person is wearing contact lenses, try to remove. Use eye wash equipment if it is available. Seek medical advice and attention if irritation occurs and persists.

### **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 is generally non-toxic. 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**

No special requirements. Avoid inhalation, ingestion, and direct contact with skin and eyes. Avoid exposure to dusts. Use personal protective clothing to prevent staining or other possible problems. Observe hygienic rules - Do not drink, eat, or smoke in work areas.

### **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**

Provide sufficient ventilation during operations that cause dust formation. 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.

## **9. Physical and Chemical Properties**

State	Powder/Granule
Color	Dark brown to black
Odor	Marine-like
Solubility	100% water soluble
Explosive properties	Not Determined
Oxidizing properties	Not Determined
pH (rehydrated concentrate)	9.5-10.5
Melting point	Not Determined
Boiling Point	Not Determined

Flash Point	Not Determined
Bulk Density	41-42 lbs./ft <sup>3</sup> (0.657-0.673 g/cm <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

Not irritating to ocular tissue

### Acute dermal toxicity

Not toxic via dermal exposure.

### Acute dermal irritation

No dermal irritation or corrosive effects observed.

### Inhalation toxicity

Not hazardous by inhalation.

### 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 January 2022**

Every effort has been made to ensure that the information contained in this SDS is reliable. However, North American Kelp cannot accept liability for any loss, injury, or damage, which may result from its use or misuse. This SDS is solely for guidance in safe handling and use of the product, and is not to be interpreted as part of any product

specification. The above information is based on experience, but it is always recommended that customers verify the suitability of this product for their specific purpose and conditions of use through their own small-scale testing.