

## Material Safety Data Sheet

### 1-Product and Company Identification

<b>Trade Name:</b>	Leaf Green Zn.Mn.Fe
<b>Common Name:</b>	Soluble Seaweed Fertilizer
<b>Uses:</b>	Fertilizer
<b>Producer/Importer:</b>	Seawin Australia
<b>Address:</b>	U14, 653 Mountain Highway, Bayswater VIC 3153
<b>Emergency Phone:</b>	0481 999 987
<b>Contact Person:</b>	Joel Supple

### 2- Hazard Identification

#### GHS Hazard Class and Category:

This product is not classified, the classification criteria are not met.

### 3- Composition of product

Ingredients name	CAS	Proportion (%w/w)
Seaweed Extract powder	N/A	5-10%
Amino Acid	N/A	2%
Copper sulfate pentahydrate	7758-99-8	3-4%
Ferrous sulfate heptahydrate	7782-63-0	30-35%
Manganese sulfate monohydrate	10034-96-5	15-23%
Zinc sulfate heptahydrate	7446-20-0	28-33%
Orthoboric acid	11113-50-1	5-7%

## 4-First Aid Measures

**Inhalation:** Provide access to fresh air. If breathing is difficult, give oxygen.

**Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Eye Contact:** Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.

**Ingestion:** Rinse mouth. Give water to drink if victim completely conscious/alert. Seek medical attention if ill effect develops.

**First Aid Facilities:** Ensure washing facilities, including an eyewash, are available and maintained.

## 5-Fire Fighting Measures

Suitable, Any extinguishing media can be used: water, carbon dioxide, foam, dry powder.

Unsuitable: High volume water jet.

**Special hazards arising from the substance or mixture:** Dangerous gases are evolved in the event of a fire.

**Special protective equipment for firefighters:** In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

**Further information:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Evacuate personnel to safe areas. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth. Do not allow run-off from firefighting to enter drains or water courses.

## 6-Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation. Stop leak if safe to do so. Wear protective clothing & eye protection. Wash hands thoroughly after handling.

**Environmental precautions:** Do not allow to enter drains, sewers or waterways.

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

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**7-Handling and Storage**

**Storage:** Keep in the original container in a cool, well ventilated, protected from direct sunlight and heat. Keep container tightly closed. Do not store above 23°C (73.4°F). Store away from heat/moisture. Protect from frost. Store away from food, drink and animal feeds.

**8-Exposure Controls & Personal Protection**

**Respiratory Protection:** Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

**Eye Protection:** The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

**Hand Protection:** Rubber or plastic gloves recommended. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection: Wear suitable protective clothing to prevent skin contact. Clean clothing or protective clothing should be worn, preferably with an apron.

Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hygiene Measures: Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9-Physical & Chemical Properties

Appearance:	Off white powder
Odour:	Mild odour
Vapour Pressure:	Not applicable (not volatile)
Boiling Point:	Not available
Melting Point:	Not available
Solubility (in water):	Complete
pH:	3-5
Flash Point:	Not applicable
Flammability (explosive) Limits:	Not combustible
Auto-Ignition Temperature:	Not applicable
Octanol/Water Partition Coefficient:	Not available
Dynamic viscosity:	Not available

## 10-Stability & Reactivity Data

Chemical Stability: Stable Under Standard Conditions

Hazardous Reactions: None under normal conditions

Conditions to Avoid: Heat. Open flame.

Hazardous Decomposition Products: No hazardous decomposition products if stored and handled properly.

Conditions of Instability: High temperatures, dust generation, incompatible materials.

## 11-Toxicological Information

This product is nontoxic.

## 12-Ecological Information

This product is environment friendly

## 13-Disposal Considerations

**Waste Disposal Methods:** Avoid release to the environment. Dispose of in accordance local, State, and Federal regulations. DO NOT burn empty packaging or product.

## 14- Transport Information

Non-hazardous material according to transport regulations.

## 15-Regulatory Information

SUSMP: Exempt from Poison Scheduling

APVMA: Exempt from registration

State Departments of Agriculture / Primary Industries: Registration not required

Australian Inventory of Chemical Substances (AICS): All components listed



## 16-Other Information

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The information given here is not necessarily exhaustive but is representative of relevant, reliable data.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.