

# Material Safety Data Sheet

Product Name: ECOESSENTIALS™ WSP - Microencapsulated Manganese

## 1. Material Identification

Signal Word	Chemical Name	Chemical Class	Product Origin
NONE	DRY PLANT NUTRIENT	DRY PLANT NUTRIENT	INDIA

**Manufacturer and Distributor**  
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## 2. Product Ingredients

Chemical Component	Percent Range	CAS Numbers	OSHA-PEL	ACGIH-TLV	NTP/IARC/OSHA CARCINOGEN	OTHER
VEG.PEPTIDES ETC.	88%	68607-88-5	N/A	N/A	N/A	N/A
MANGANESE	12%		N/A	N/A	N/A	N/A

## 3. Hazards Identification

### Emergency Overview:

### Physical Properties

**Appearance:** Light Peach powder

**Odor :** Protein odor

**Hazardous Decomposition Products:** None

**Unusual Fire, Explosion, and Reactivity Hazards :** None

### Potential Health Effects

**Acute Effects:** None

**Symptoms of Acute Exposure:** None

**Chronic Effects:** None

**Carcinogenicity:** None of the components is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

## 4. First Aid Measures

### Primary Routes of Exposure: Inhalation, Ingestion

### Sign and Symptoms of Exposure:

**Inhalation** Avoid inhalation

**Ingestion:** Taste protein.

### Emergency First Aid Procedure :

**If Inhaled:** If inhaled excessive, move to fresh air.

**If Ingested:** Give more water to dilute. Call a Physician.

## 5. Fire Fighting Measures and Explosion Hazard Data

**Flash Point:** Not flammable

**Auto ignition Temperature:** Not established

**Fire Extinguishing Media:** Not established

**Special Fire Fighting Procedures:** Follow regular firefighting procedures.

## 6. Accidental Release Measures

### Steps to be Taken if Material is Released or Spilled

**General:** Remove spilled material through simple mechanical removal.

**Specific:** Product is not regulated under RCRA or CERCLA.

## 7. Handling and Storage

**Precautions in Handling:** Do not contaminate water, food, or feed by storage or disposal.

**Storage:** Store in cool, dry place.

## 8. Exposure Controls/Personal Protection

### Ventilation Requirements:

Normal ventilation is recommended.

### Personal Protective Equipment:

Regular fertilizer handling care required.

### Manufacturing and Packaging Employees:

**Eye/Face:** Routine industrial production cares.

**Skin Protection:** Use hand gloves.

**Respiratory Protection:** Normal ventilation is recommended

**Additional Information:** Wash hands before eating, drinking, chewing gum and using tobacco products.

**Applicators and Handlers:** Regular fertilizer application procedures to be followed.

## 9. Physical and Chemical Properties

**Appearance** : Light Peach powder

**Specific Gravity** : Unknown

**Dispersion in Water** : Soluble in water

**pH** : 6.0-6.5 @ 20 °C

**Odor** : Protein odor

**Viscosity** : Powder

**Boiling point** : >100 °C

**Freezing point** : N/A

**Vapor pressure** : N/A

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**10. Stability and Reactivity**

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**Stability:** Stable at ordinary conditions of use and storage.

**Incompatibility:** Unknown

**Decomposition/ Byproducts:** Unknown.

**Hazardous Polymerization:** Unknown.

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**11. Toxicological Information**

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**Acute Toxicity/Irritation Studies:**

**Acute Oral** : Unknown

**Acute Dermal** : Unknown

**Acute Inhalation** : Unknown

**Primary Eye Irritation** : Unknown

**Skin Sensitization** : Unknown

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**12. Ecological Information**

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**Acute Fish Toxicity (Rainbow Trout):**Unknown

**Acute Daphnia Immobilization:** Unknown

**Effect on Birds:** Unknown

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**13. Disposal Considerations**

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Do not contaminate water, food or feed.

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**14. Transportation Information**

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**Classification:** Not regulated

**Maritime Organization:** Not regulated

**Civil Aviation Organization:** Not regulated

**Instructions:** No special instruction on handling required

**Flammability:** Non flammable

**Transport by Air:** Safe for Air Transport

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**15. Regulatory Information**

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**SARA Title III Classifications**

**Section 302/304** N/A

**Section 311/312** N/A

**Section 313 Chemical(s)** N/A

**Proposition 65**

Not Applicable

**CERCLA Reportable Quantity (RQ)**

Not Applicable

**RCRA Classification**

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

**TSCA Status**

Not Applicable.

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**16. Other Information**

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**NFPA Hazard Ratings**

**Health:** NA

**Flammability:** NA

**Reactivity:** NA

0	Least
1	Slight
2	Moderate
3	High
4	Severe

**Prepared by:** ECOSTADT TECHNOLOGIES LLC.

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