

# Safety Data Sheet

Trade name: N-Vigorate SEA  
Product No: N-Vigorate SEA  
Version: 1.2

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## SECTION 1: Identification

### Product identifier:

Foliar and Soil Amendment  
Trade Name: N-Vigorate SEA

### Other means of Identification

Trade Code: Powdered Foliar and Soil Amendment

### Supplier, Importer or other responsible party:

South East Ag Solutions  
P.O. Box 7964, Sebring, FL 33872

### Emergency Telephone Number

863-273-2768

## SECTION 2: Hazards Identification

### Classification of the substance or mixture:

This product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Label elements

This product is not a hazardous product and need not be labeled according to EC Directive 67/548, 99/45 as amended.

### Ingredients with unknown acute toxicity

NONE

### Hazards not otherwise classified identified during the classification process:

NONE

## SECTION 3: Composition/Information on Ingredients

### Substances:

Does not meet the criteria of a substance

### Mixtures

Powdered Foliar and Soil Amendment

### List of Components

<i>Chemical Name</i>	<i>% Weight</i>	<i>Identifiers</i>	<i>Comments</i>
<b>Seaweed Extract</b>	<b>80%</b>	<b>NA</b>	<b>NA</b>
<b>Humic Acid</b>	<b>16%</b>	<b>NA</b>	<b>NA</b>
<b>Fulvic Acid</b>	<b>4%</b>	<b>NA</b>	<b>NA</b>

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## SECTION 4: First Aid Measures

### Description of first aid measures

- Inhalation:** Move exposed person to fresh air.
- Skin:** Wash immediately with water and non-abrasive soap. Remove contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
- Ingestion:** Rinse mouth and throat. Drink water to dilute.
- Eye:** Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

### Most important symptoms and effects, both acute and delayed

Not Determined

### Indication of any immediate medical attention and special treatment needed

Not Determined

## SECTION 5: Fire-Fighting Measures

### Extinguishing media:

This product is non-combustible. No extinguishing media or special fire-fighting procedures are required. There are no unusual fire or explosion hazards.

### Unsuitable Extinguishing Media:

None Determined

### Specific Hazards Arising From the Substance or Mixture:

None Determined

### Special Personal Protective Equipment and Precautions for Fire-Fighters:

Wear suitable respiratory equipment when necessary.  
Move undamaged containers from immediate hazard area but only if it can be done safely.

## SECTION 6: Accidental Release Measures

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

Wear personal protective equipment.  
Remove exposed persons to safety.  
See protective measures under point 7 and 8.

### Methods and material for containment and cleanup

Prevent further spillage, if safe. Accidental releases do not pose environmental risks.  
Sweep up. Transfer to suitable, labelled containers for reuse or disposal. Clean spillage area thoroughly with plenty of water.

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## SECTION 7: Handling and Storage

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of dust and mists.  
Do not eat or drink while working  
Adopt good chemical hygiene practices when handling, carrying and dispensing.

### Conditions for safe storage, including and incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

## SECTION 8: Exposure Controls/Personal Protection

### Control Parameters

No Data Available

### Appropriate Engineering Controls

Not Determined

### Individual Protection Measures

#### Eye/Face Protection :

Safety glasses or chemical goggles are recommended.

#### Skin Protection :

No special precautions necessary for normal use.

#### Hand Protection :

As a precaution, wear chemical resistance gloves (PVC, neoprene or butyl).

#### Respiratory Protection :

If airborne dust generated, wear suitable NIOSH approved dust mask.

*NIOSH = National Institute of Occupational Safety and Health*

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical State: Powder

Appearance: Dark in color (Visual)

Odor: Musty (Organoleptic)

pH: 8.0 +/- 1.0 (pH Meter)

Melting Point/range: Not Determined

Boiling Point/range: 107C (OECD Guideline 103)

Flash Point: 94C (201 F) (Pensky-Martens Closed Cup Test (ASTM D93))

Evaporation rate: Not determined (Shell Thin-Film Evaporometer ASTM D3539 – 87 (2004))

Upper/lower flammability or explosion limits: Not determined (ASTM E681-09)

Vapor Density: Not Determined (Calculation)

Vapor Pressure: Same as Water (ASTM D5190 – 07)

Density: Not Determined (OECD Guideline 109)

Water solubility: Soluble (OECD Guideline 105)

Lipid Solubility: Insoluble (OECD Guideline 105)

Partition coefficient (n-octanol/water): Not determined (OECD Guideline 123 Slow Stirring Method)

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Auto-ignition temperature: Not applicable (ASTM E659 Method for Liquid Chemicals)  
Decomposition temperature: Not determined (Time Pressure Test Vessel)  
Viscosity: 3.3 centistokes (OECD Guideline 114)  
Explosive properties: Not applicable (UN Test 3(a)ii BAM Fallhammer)  
Oxidizing properties: Not determined (oxidizing liquids test chamber)  
Flammability (Solid, Gas): Irr-Max is a non-flammable aqueous solution (ASTM Method E681-94)

## Other Information

Miscibility: Not determined  
Fat solubility: Not determined  
Conductivity: Not determined (conductivity meter)

## SECTION 10: Stability and Reactivity

### Reactivity

Stable under normal conditions.

### Chemical Stability

Data not available.

### Possibility of Hazardous Reactions

Burning produces carbon monoxide and/or carbon dioxide.

### Conditions to Avoid

Stable under normal conditions of temperature and pressure.

### Incompatible Materials

Avoid strong oxidizing agents, peroxides, acids, alkali metals.

### Hazardous Decomposition Product

Burning produces carbon monoxide and/or carbon dioxide.

## SECTION 11: Toxicological information

### Information on toxicological effects

Toxicological information of the product, no data available.

### Substance(s) listed on the IARC Monographs:

None

### Substance(s) listed as OSHA Carcinogen(s):

None

### Substance(s) listed as NIOSH Carcinogen(s):

None

### Substances listed on the NTP report on Carcinogens:

None

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## SECTION 12: Ecological Information

### Toxicity:

Adopt good working practices so that the product is not released into the environment

### Persistence and Degradability:

Not Determined

### Bioaccumulative Potential

Not Determined

### Mobility in Soil

Not Determined

### Other Adverse Effects

Not Determined

## SECTION 13: Disposal Considerations

### Waste treatment methods

Any disposal practice must be in compliance with local, state and federal laws and regulations.

Contact local or state environmental agency for specific rules. Do not dump into sewers, any body of water or onto ground.

Recover if possible and comply with applicable regulations.

## SECTION 14: Transportation Information

### UN Number

ADR-UN Number: N/A

DOT-UN Number: N/A

IATA-UN Number: N/A

IMDG-UN Number: N/A

### UN Proper Shipping Name

ADR-Shipping Name: N/A

DOT Proper Shipping Name: N/A

IATA-Technical Name: N/A

IMDG-Technical Name: N/A

### Transport Hazard Class(es)

ADR-Class: N/A

DOT Hazard Class: N/A

IATA-Packaging Group: N/A

IMDG-Class: N/A

### Packaging Group

ADR-Packaging Group: N/A

Exempted for ADR: N/A

IATA-Packing Group: N/A

IMDG-Packaging Group: N/A

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## Environmental Hazards

Marine pollutant: NO

Environmental Pollutant: Not Determined

## Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code

Not determined

## Special Precautions

Department of Transportation (DOT)

DOT-Special Provision(s): N/A

DOT Label(s): N/A

DOT Symbol: N/A

DOT Cargo Aircraft: N/A

DOT Passenger Aircraft: N/A

DOT/TDG Bulk: N/A

DOT Non-Bulk: N/A

Road and Rail (ADR-RID)

ADR-Label: N/A

ADR-Upper Name: N/A

ADR Tunnel Restriction Code: N/A

Air (IATA)

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Sub Risk: N/A

IATA-Erg: N/A

IATA-Special Provisioning: N/A

SEA (IMDG)

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Sub Risk: N/A

IMDG-Special Provisioning: N/A

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: N/A

IMDG-MFAG: N/A

## SECTION 15: Regulatory Information

### USA – Federal Regulations

#### TSCA-Toxic Substance Control Act

##### TSCA Inventory

No substance listed

#### Section 313 – Toxic chemical list

No substance listed

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### USA – State specific regulations

#### California Proposition 65

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## Substance(s) listed under California Proposition 65

No substances listed

### SECTION 16: Other Information

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The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific intended use.

This SDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CLP: Classification, Labeling, Packaging

EINECS: European Inventory of Existing Commercial Chemical Substances

INCI: International Nomenclature of Cosmetic Ingredients

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC 50: Lethal concentration, for 50 percent of test population

LD 50: Lethal dose, for 50 percent of test population

TLV: Threshold Limiting Value

STEL: Short Term Exposure Limit

STOT: Specific Target Organ Toxicity

WGK: German water Hazard Class

KSt: Explosion coefficient