

## MATERIAL SAFETY DATA SHEET

### SECTION I. CHEMICAL IDENTIFICATION

Product Name: Plant Growth Supplement

Common Name: 3D (liquid)

### SECTION II. INGREDIENTS AND COMPOSITION INFORMATION

	<u>CAS #</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Seaweed	NE	NE	NE
Humic Acid	NE	NE	NE
Iron Sulfate	7720-78-7	N/A	1480mg/m <sup>3</sup>

### SECTION III. PHYSICAL DATA

Density	75.55 lb. /ft <sup>3</sup>
Boiling Point	250°F
Melting Point	N/A
Vapor Pressure	<17 mm hg @ 25°C
PH	4-6
Solubility in Water	water soluble
Appearance & Odor	black (liquid)

### SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)....N/A

NFPA Rating .....Health 1 - Fire 0 - Reactivity 0 - Special Hazard 0

Flammable Limits (Lel)..N/A (Uel) .....N/A

Extinguishing Media.....Water, foam, carbon dioxide or dry chemicals

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

\*This information is taken from sources or based upon data believed to be reliable; however, Plant-Wise Biostimulant Co. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

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## SECTION V. REACTIVITY DATA

Stability.....This is a stable material.

Conditions to avoid....Do not store in direct sunlight or at temperatures above 120°F.

Incompatibility.....Contact with strong base may ruin this product

Hazardous Decompositions Products

.....Thermal decomposition products may include toxic sulfur oxides.

Hazardous Polymerization ..Will not occur.

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## SECTION VI. SPILL OR LEAK PROCEDURES

Wear protective clothing, gloves, goggles, and (if exposure may exceed recommended levels) self-contained breathing apparatus. Contain spill with absorbent; collect into drums for proper disposal. Cover and label drums. Flush area with water if possible.

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## SECTION VII. HEALTH HAZARD DATA

INHALATION: May irritate respiratory tract.

SKIN CONTACT: May cause irritation, particularly on damp skin. Repeated or prolonged contact could lead to dermatitis.

EYE CONTACT: May cause irritation and conjunctivitis.

INGESTION: May cause heartburn, nausea, vomiting, gastric discomfort constipation or diarrhea. Symptoms of severe poisoning may occur within 30 minutes or may be delayed for several hours. Severe hemorrhagic gastritis with abdominal pain, retching, violent diarrhea and vomiting may occur. Circulatory system may be affected with symptoms of shock, rapid, weak or no pulse, severe hypotension and pulmonary emphysema may occur.

EMERGENCY AND FIRST AID PROCEDURE:

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**INHALATION:** Remove from exposure. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Immediately seek medical aid.

**SKIN CONTACT:** Wash skin thoroughly with soap and water. Seek medical aid.

**EYE CONTACT:** Flush immediately with large amounts of water, lifting the lower and upper lids occasionally. Seek medical aid.

**INGESTION:** Give 1-2 large glasses of water or milk. Induce vomiting. Immediately seek medical aid. Never give liquids to an unconscious person.

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## **SECTION VIII. SPECIAL PROTECTION INFORMATION**

**RESPIRATORY:** Respiratory protection approved by NIOSH/MSHA for protection against pesticides should be used to avoid inhalation. Appropriate respiration selection depends on the type and magnitude of exposure.

**SKIN:** Clean gloves and body-covering clothing should be worn to prevent irritation in situations where direct contact with product may occur.

**EYES:** Employees should be required to wear chemical safety splash goggles in situations where direct contact with the product may result in eye injury.

**VENTILATION:** Local exhaust ventilation should be used to control worker exposure to below recommended Permissible Exposure Levels (PEL).

**OTHER PROTECTIVE EQUIPMENT:** Emergency eye wash stations and deluge safety showers should be available in the work area.

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## **SECTION IX. SPECIAL PRECAUTIONS**

**PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry location. DO NOT store near food or feed. Keep out of reach of children and pets.