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Material Safety Data Sheet

Bio Roots

1. Product and compagny identification:

Product name : Bio Roots
Supplier/Manufacturer: **WISE USE International BV**
Trasmolenlaan 8D 3447 GZ WOERDEN
Distributed by: **GENERAL HYDROPONICS Europe**
boulevard du Biopole
32500 Fleurance

2. Hazards identification

Hazardous Components None - not classified in any hazardous substance class

3. Composition/information on ingredients

Product Trade Name **BIO ROOTS (ROOT stimulator)**
pH of Product 9-9,5

4. First aid measures

Route of Entry/Inhalation None
Route of Entry/Skin Wash off with water.
Route of Entry/Digestion If taken more than one spoon, mild diarrhea might be caused by enzymatic action with bacteria in the stomach
Health Hazards (Acute & Chronic) Not a hazardous substance
Carcinogenicity N/A
Signs & Symptoms of exposure None

Medical Conditions General .

Aggravated by Exposure Potential for mild diarrhea if taken internally in concentrate form
Emergency First Aid Procedures Wash eyes out with water for 6 minutes. If swallowed, drink 0,5 to 1L of water to dilute.

5. Fire-fighting measures

Fire and explosion protection No special precaution
Flash point: None
Flammable Limits: None
LEL None
UEL None
Extinguishable Media Not required
Special Fire Fighting Procedures None
Unusual Fire & Explosion Hazards: None
Ignition temperature: None
Hazardous decomposition None
Hazardous reactions: None

6. Accidental release measures

Spill /Leak Procedures: Avoid dispersal in air. Larger amounts should be carefully swept up or vacuumed with a HEPA vacuum and held for reclamation or disposal.

Regulatory Requirements: None of the ingredients in Bio Roots meet the definition of "Hazardous Chemical"

7. Handling and storage

Recommended Storage Condition	Storage temperature should be between 5 - 30 degrees C.(i) Temperature over 90 degrees C may result in thermal decomposition. By-products totally benign, organic matter, water carbon.
Precaution on handling	Precaution: dilute with water and wash away.
Waste Disposal Method (released or polled Material)	No danger from handling packaged material Product is biodegradable. Small spills can be washed away with water. Large spills if uncontaminated, can be returned to container or washed away with water.

8. Exposure controls/personal protection

Technical Protection Measures	No special precaution
Personal protection including breathing, eye and hands	No special precaution

9. Physical and chemical properties

Boiling point:	103 degrees C
Specific Gravity (H2O=1):	1.01 g/cm ³
Vapor Pressure:	1 Ombr
Melting Point:	-4 degrees C
Vapor Density .(Air = 1)	N/A
Solubility In Water:	Yes, 995 g/L
Viscosity:	60m Pa-s (Brookfield)
Form:	Liquid
Apperance:	Dark brown
Odor:	Lemon
Chemical Character :	
Fruit Oil	Up to 1 %
Humatic Acids	Up to 1 %
Pectinate	Up to 1 %
Sodium Alginate	Up to 3 %
Seaweed Species	Up to 10 %
Organic Matter	Up to 84 %

10. Stability and reactivity

Stability	Stable
Incompatibility	None
Hazardous Decomposition	None
Harzardous Polymerization	Will not occur

11. Toxicological information

Not believed to be toxic

12. Ecological information

Ecotoxicity: Unknown
Environmental Fate: Not expected to be significant
Environmental Degradation: Unknown

13. Disposal considerations

Waste Disposal: Follow Federal, State, and local regulations.

14. Transport information

Regulatory information	Un number
DOT classification	Not regulated
IMDG Class	Nog regulated
DATA-DGR Class	Not regulated

15. Regulatory information

EPA Regulations: Not listed

16. Other information

BioRoots is a root stimulator. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

General Hydroponics provides the information contained herein in good faith, but makes no representation as to its comprehensive ness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in using this product.