

1. Identification of the substance/preparation and company

Trade name: Natural Power Root Stimulator
 Supplier details: Advanced Hydroponics of Holland
 Binnenweg 4
 5683 PR Best
 Tel.: +31 499 8300261

In emergency, information can be obtained from:
 Dr. ir. N.C. Stutterheim. +31 (0)6 22698853

2. Composition / Information on constituents

Filtered water extract made from:

10% (w/w) *Fucus vesiculosus* (seaweed)
 10% (w/w) *Ascophyllum nodosum* (seaweed)
 10% (w/w) Fishmeal
 10% (w/w) Humic- and Fulvic acids CAS 1415-93-6
 < 0.3% (w/w) Formic acid

Ec (mS/cm) 7.5 - 8.5
 pH-H₂O 4

	mmol /l	mg/l		µmol/l	µg/l
NH ₄	9.5	171	Fe	53.0	2960
NO ₃	0.4	25	Mn	8.0	440
P	1.8	54	Zn	14.0	915
K	28.8	1126	B	22.0	238
Ca	4.3	172	Cu	2.7	172
Mg	1.8	44	Mo	0.1	10
SO ₄	57.9	5562			
Si	0.4	11			
HCO ₃	61.3	3739			
Na	33.4	768			
Cl	6.5	230			

3. Potential hazards

Description of hazard: None

Special hints concerning hazards for the human and environment:

So far as the usual regulations of industrial hygiene are adhered to, the product handling does not involve any appreciable risk. Neither involves the product any risk of fire or explosion.

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4. First aid measures

General:

Inhalation:

If the product has come into contact with the skin:

If the product has come into contact with the eyes:

If the product is ingested:

Instruction for the physician:

General instructions are not necessary. Avoid extensive inhalation, although no adverse effects from inhalation have been observed or reported.
Wash affected area with water and soap. Rinse the eyes with lukewarm water, with eyelid opened.
Keep cool. Consult a physician and make this Safety Data Sheet available. Specific measures to be taken are not known or documented. Carry out a symptomatic therapy.

5. Fire-fighting measuring

Not applicable because the product is not inflammable.

6. Measures to be taken in case of unintentional release

Personal precautionary measures:

Cleaning/picking-up method:

None

Vacuum or sweep up large quantities of the material and dispose according local regulations.

7. Handling and storage

Handling:

Storage:

When the products is handled in unpacked condition, its quality or purity may be impaired. Agrobio Products disclaims any liability once the original package has been opened.
Store the product in a cool place protected from frost. If not used, keep the container closed. The plastic used as container materials are resistant (HDPE).

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8. Exposure control and personal protective equipment

General protective and hygienic measures: Wash your hands after the work and before the breaks. Observe the rules of industrial hygiene.

Respiratory protection: During spraying use appropriate masks

Hand protection: Wear rubber protective gloves to avoid a repeated contact with the skin.

Eye protection: Wear protective goggles in case of potential contact with the eyes, e.g. by splashing, spraying, etc.

Body protection: Wear suitable work clothing if there is a risk of splashing or in case of potential contact with the body.

9. Physical and chemical properties

Appearance:
Shape: Liquid
Odor: Atypical

Safety data	Value/Range	Unit
<i>Change of state:</i>	N.A.	
<i>Boiling point:</i>	100	°C
<i>Melting point:</i>	N.A.	
<i>Flash point:</i>	N.A.	
<i>Inflammability:</i>	N.A.	
<i>Explosion hazard:</i>	N.A.	
<i>Self-ignition:</i>	N.A.	
<i>Fire-promoting properties:</i>	None	
<i>Vapour pressure at 20 °C</i>	2.34E3	Pa
<i>Density:</i>	1	kg dm ⁻³
<i>Solubility in water:</i>	Soluble	
<i>Solubility in organic solvents:</i>	Soluble	
<i>pH value:</i>	4	
<i>Viscosity at 20 °C:</i>	1E-3	Pa s
<i>Thermal conductivity at 20 °C:</i>	0.60	W m ⁻¹ K ⁻¹
<i>Specific electrical resistance:</i>	0.125	cm/mS

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10. Stability and reactivity

Conditions to be avoided:	Once opened, the product has limited storability
Substances to be avoided:	None
Hazardous decomposition products:	None

11. Toxicological information

Acute toxicity:	The preparation itself has not been tested.
Assessment based on raw materials:	Exposure quantities are significantly below acute toxicity limits even when complete absorption is assumed.
Experience gained in practice; effects on humans:	No adverse health effect has been observed or reported.
Inhalation:	No adverse health effect has been observed or reported.
Ingestion:	No adverse health effect has been observed or reported.
Skin:	Some skin irritation is possible in case of continuous or repeated contact with the skin.
Eyes:	Direct contact with the surface of the eye may cause irritation. Eye protection is then recommended

12. Ecological information

This product is dissolves in water. Ecologically sound, if applied at recommended doses.

13. Instruction for disposal

Recommendation:	Recycling through composting should be given preference over disposal. If recycling is not possible, the product should be disposed according to the locally valid laws on waste disposal and regulations (the competent authorities should be able to give the necessary information).
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14. Transport information

No special instructions. The product is from natural origin. No ADR, UN, CAS or Class numbers required. TARIC-code: 3101 0000 00.

16. Other data

None