

SAFETY DATA SHEET

Greenfuse Grow/Root/Bloom

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the Regulation (EU) No 453/2010, and described in CLP Regulation (EC) No 1272/2008.

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Chemical Name: Greenfuse Grow, Greenfuse Root, Greenfuse Bloom
CAS Number: Not applicable
REACH Registration No.: Not applicable
Synonyms: Not applicable

1.2 Relevant identified uses of the substances or mixture and uses advised against

Plant growth supplements to support growth of foliage, root system, flowers and fruit.

1.3 Details of the supplier of the safety data sheet

Hydrodynamics International Inc.
5711 Enterprise Drive
Lansing MI, 48911

Phone (517) 887-2007

Fax (517) 887-2008
info@hydrodynamicsintl.com

1.4 Emergency telephone number

In case of emergency call CHEMTREC: 1-800-424-9300

Section 2. Hazards Identification

MIXTURE:

2.1 Classification of the mixture

Classification under Directive 67/548/EEC:	No classification required in accordance with Directive 67/548/EEC.
Classification under Regulation EC No. 1272/2008:	No classification required in accordance with Regulation EC No. 1272/2008.

Physicochemical hazards:

No potential physicochemical hazards are applicable for this mixture due to the nature of the components and no physicochemical classifications associated with them.

Human health:

Product does not pose a risk to human health.

Environment:

No potential environmental hazards are applicable for this product. Product is fully biodegradable.

2.2 Label elements**Regulation (EC) No 1272/2008:**

No classification required in accordance with Regulation EC No. 1272/2008.

Hazard Statements

No classification required in accordance with Regulation EC No. 1272/2008.

Precautionary statements:

No classification required in accordance with Regulation EC No. 1272/2008.

2.3 Other hazards

PBT / vPvB:	Not applicable
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Section 3. Composition/Information on ingredients.

Name	CAS Number	EINECS Number	% Composition	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008
Contains no classified components over 1%					

Section 4. First Aid Measures**4.1 Description of first aid measures****Inhalation**

No inhalation exposure of this mixture is expected due to the nature of its use, however, should exposure occur, please seek medical attention.

Skin contact

Remove contaminated clothing and wash skin with soap and plenty of running water.

Accidental eye contact

Rinse eye immediately with plenty of low pressure water for at least 15 minutes. Remove any contact lenses. Seek medical assistance.

Ingestion

If the person affected is conscious, have them drink large quantities of water. Never give anything by mouth to an unconscious person. Seek medical assistance

4.2 Most important symptoms and effects, both acute and delayed

None expected from the mixture

4.3 Indication of any immediate attention and special treatment needed

None expected from the mixture

Section 5. Firefighting Measures

5.1 Extinguishing media

The product is non combustible. To extinguish fire use water spray, dry chemical, carbon dioxide, or chemical foam.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for fire-fighters

Wear full protective clothing and self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

None required.

6.2 Environmental precautions

Take precautionary measures against discharges into the environment.

6.3 Methods and material for containment and cleaning up

Sweep up or absorb spilled material, wash area with plenty of water.

6.4 Reference to other sections

Please also refer to Sections 8 and 13.

Section 7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin or clothing. Wash thoroughly after handling and before eating, drinking or smoking.

7.2 Condition for safe storage, including any incompatibilities

To protect product quality, store in sealed container in temperatures between 5 to 30 degrees C. Temperatures exceeding 90 degrees C may result in thermal decomposition of the product.

7.3 Specific end use(s)

For use as a plant growth enhancer.

Section 8. Exposure Controls/Personal Protection

8.1 Control parameters

Not determined

8.2 Exposure controls

Appropriate Engineering Controls

Not applicable.

Respiratory protection

As the mixture is a liquid and there is no risk of exposure via inhalation route, no respiratory protection is required.

Hand protection

It is good standard practice to wear gloves to prevent risk of exposure from splashes.

Eye protection

It is good standard practice to wear safety goggles.

Skin protection

It is not applicable but it is good standard practice to wear an apron or protective clothing in case of danger of contact.

Thermal Hazards

Not applicable.

Environmental Exposure Controls

Not applicable.

Section 9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance:	Dark brown liquid
Odour:	Weak uncharacteristic odour
Odour threshold:	N/A
pH:	8.0 –9.0
Melting point/freezing point °C:	No information
Initial boiling point and boiling range °C:	103 degrees Celsius
Flash point:	No information
Evaporation rate:	No information
Flammability:	No information
Upper Flammability:	No information
Lower Flammability:	No information
Vapour pressure:	No information
Vapour density	No information
Relative density:	1.0g/cm ³
Solubility:	Fully soluble in water
Partition Coefficient: n-octanol/water:	No information
Auto-ignition temperature:	No information
Decomposition temperature:	No information
Viscosity:	No information
Explosive properties:	No information
Oxidising properties:	Not oxidising as none of the individuals components of the mixture are oxidisers.

9.2 Other information

No additional information available.

Section 10. Stability and Reactivity**10.1 Reactivity**

Unreactive under normal conditions of recommended use.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Not applicable for this mixture.

10.4 Conditions to avoid

Not applicable for this mixture.

10.5 Incompatible materials

Not applicable for this mixture.

10.6 Hazardous decomposition products

Not applicable for this mixture.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity:

No data

Skin Corrosion/Irritation:

No data

Serious eye damage/irritation:

No data

Respiratory or skin sensitisation:

No data

Route of exposure:

Most likely routes of exposure is *via* dermal exposure.

Symptoms related to the physical, chemical and toxicological characteristics:

Not applicable as minimal risk of adverse effects due to nature of the mixture.

Section 12. Ecological Information

12.1 Toxicity

No data

12.2 Persistence and degradability

Persistence and rate of degradation has not been evaluated

12.3 Bioaccumulative potential

The risk for bioaccumulation has not been evaluated

12.4 Mobility in soil

Mobility in soil has not been evaluated

12.5 Results of PBT and vPvB assessment

No assessment was conducted.

12.6 Other adverse effects

Not applicable

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal operations –

Flush with plenty of water down normal household drain. Product is biodegradable.

Disposal of packaging –

Dispose in ordinary household waste.

Please follow all local, regional, national and international laws.

Section 14. Transport Information**14.1 UN number**

Not applicable as the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.2 UN proper shipping name

Not applicable as the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.3 Transport hazard class(es)

Not applicable as the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.4 Packing group

Not applicable as the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.5 Environmental hazards

Not applicable as the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.6 Special precautions for user

Not applicable as the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable as the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

Section 15. Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been conducted for this mixture.

Section 16. Other Information**Other information**

None

This safety data sheet is prepared in accordance with Regulation (EC) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.