



Safety Data Sheet
VitaLink Earth MAX Grow

Revised: 07.10.2016
Revision Date: N/A
Version: 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Substance or preparation trade name: VitaLink Earth MAX Grow
REACH Registered number(s): N/A
CAS number: N/A
EINECS number: N/A
Synonyms: N/A

1.2 Relevant identified use of the substance or mixture and uses advised

Use of substance/mixture: An easy to use, balanced one-part formulation of macro and micro nutrients, ideal for growing a variety of plants in a wide range of potting mixes. Specially designed for the growth stage.

1.3 Company/undertaking name and address:

Company Name: Hydrogarden Wholesales Ltd
Unit 2 Progress Way
Binley
Coventry
CV3 2NT
Telephone: +44(0)2476 651500
Fax: +44(0) 2476 651060
E-mail: info@hydrogarden.co.uk

1.4 Emergency telephone number:

Emergency telephone number: +44 (0) 2476651500

Opening hours: 8.30am -5.00pm Mon-Thurs, 8.30am - 4.00pm Fri.

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 classification according to Regulation (EC) No 1272/2008 (CLP):

Non Hazardous

2.1.2 Classification according to Directive 67/548/EEC (See SECTION 16 for full text of risk phrases)

does not meet the criteria for classification in accordance with Directive 67/548/EEC

2.1.3 Additional information:

For full text of R-phrases and Hazard and EU hazard statements see SECTION 16.

2.2 Label Elements

Label elements under CLP: None

Hazard Statements: N/A

Signal Words: N/A

Hazard Pictograms: N/A

Precautionary Statements: N/A

2.3 Other Hazards

Supplemental hazard information: Not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substance or preparation trade name: VitaLink Earth MAX Grow. Liquid Fertilizer NPK 3.5 - 0.9 - 3.6.

Description of the mixture: Mixture of mineral salts with trace elements, including potassium, magnesium and ammonium salts with trace elements and fulvic acids.

Hazardous Ingredients: None

% Contents:

Total Nitrogen (N)	3.5%
Ammoniacal Nitrogen (NH ₄)	1.2%
Nitrate Nitrogen (NO ₃)	2.3%
Potassium oxide(K ₂ O) (water soluble)	3.6%
Phosphorus pentoxide(P ₂ O ₅) (water soluble)	0.9%
Magnesium Oxide (MgO)	0.9%
Sulphur trioxide (SO ₃)	>1.1%
Boron (B)	0.004%
Copper (Cu)-chelated by EDTA	0.0008%
Iron (Fe) – chelated by EDTA	0.033%
Manganese (Mn)- chelated by EDTA	0.004%
Molybdenum (Mo)	>0.0005%
Zinc (Zn) – chelated by EDTA	0.004%

Content of Hazardous Elements Declaration for Czech Republic:

All hazardous elements are below the limits specified (Cadmium <1 mg/kg, Arsenic <10mg/kg, Chromium <50mg/kg, Lead <10 mg/kg and Mercury <1 mg/kg).

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General notes:

Following Skin contact: IMMEDIATELY IRRIGATE WITH CLEAN WATER. If irritation persists seek medical attention.

Following Eye contact: IMMEDIATELY IRRIGATE WITH EYEWASH OR CLEAN WATER FOR 15 MINS. Cold water must be used. Seek medical aid.

Following Ingestion: SEEK MEDICAL ATTENTION DISPLAY LABEL WHERE POSSIBLE. Never give anything by mouth to unconscious person. Do not induce vomiting.

Self –protection of the first aider: No special protection required. Advise to wear gloves to avoid skin contact whilst treating patient.

4.2 Most important symptoms and effects, both acute and delayed

Delayed/immediate effects: No known effects.

4.3 Indication of any immediate medical attention/special treatment

Immediate/special treatment: See first aid treatment in section 4.1. No special treatment required.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Extinguishing media: Product not flammable. Use correct extinguishing media for surrounding material.

Unsuitable extinguishing media: not applicable

5.2 Special hazards arising from the substance or mixture

Exposure Hazards: no special hazards.

5.3 Advice for fire-fighters

Advice for fire-fighters: Irritating and highly toxic gases may be generated by thermal decomposition. Breathing apparatus required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 for non-emergency personnel:

Personal Precautions: ensure gloves and goggles are worn during clean up.

Protective equipment: gloves and goggles.

Emergency procedures: do not allow the liquid to enter drains or water courses.

6.1.2 for emergency responders:

Advice for fire fighters: none

6.2 Environmental precautions

Environmental precautions: do not allow the liquid to enter drains or water courses.

6.3 Methods and material for containment and cleaning up

6.3.1 Methods for spill containment: Store in a bunded area, cover nearby drains.

6.3.2 Clean-up procedures: Absorb onto sand, earth or other suitable absorbent material.

6.4 References to other sections

Reference to other sections: refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures: wear gloves and goggles in case of splashes

Measures to prevent fire: not applicable

Measures to prevent aerosol and dust generation: not applicable

Measures to protect the environment: do not allow to enter drains or water courses.

Advice on general occupational hygiene: prevent contact with eyes, skin and clothing. Wash hands after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: store between 5-25°C and away from direct sunlight. Keep out of reach of children.

Suitable packaging: store in original packaging only.

Storage class: n/a

Further information on storage conditions: none

7.3 Specific end use(s)

Recommendations: Shake well before use. Always use diluted. Usage instructions: 1-2 ml/L for young plants. 3-4 ml/L for mature plants. If required adjust the pH, recommended range 5.8-6.5. In very soft water areas we recommend a half strength VitaLink CalMag supplement (0.5 ml/L) during the growth stage.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Employ good industrial hygiene practice.

Hazardous ingredients: no hazardous ingredients

Workplace exposure limits: n/a

8.2 Exposure controls

8.2.1 Engineering measures: none required

Mixture related measures to prevent exposure during identified uses: n/a

8.2.2 Personal protective equipment:

Respiratory protection: not applicable

Hand protection: gloves

Eye protection: safety glasses or goggles

Skin protection: gloves/long sleeves

8.2.3 Environmental exposure controls: do not allow spills to enter drains. Use bunding or store away from drains.

Mixture related measures to prevent exposure: no specific measures for mixtures.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: yellow/green

State: liquid

Odour: none

pH: 3.9-4.1

Melting/freezing point: unknown

Boiling point: unknown

Flash point: unknown

Evaporation rate: unknown

Flammability: not flammable

Vapour pressure: unknown

Vapour density: unknown

Relative density: 1.12 g/cm³

Viscosity: unknown

Oxidising properties: unknown

Explosive properties: unknown

Solubility in water: 100% in water at 20°C

9.2 Other information

Other information: None

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity: no data available.

10.2 Chemical stability

Chemical stability: Under storage at normal ambient temperatures (7-30°C) the product is stable.

10.3 Possibility of hazardous reactions

Hazardous reactions: no data available.

10.4 Conditions to avoid

Conditions to avoid: Low or high temperatures may impair the product. Store between 5-25°C and out of direct sunlight.

10.5 Incompatible materials

Materials to avoid: Strong bases, strong oxidants and strong reducers.

10.6 Hazardous decomposition products

Hazardous decomposition products: Phosphines; oxides of phosphorus, irritating and toxic fumes and gases. (Very rare).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity: no toxic effects

Irritation: not toxic, irritation may occur

Corrosivity: no toxic effects

Sensitization: not toxic, irritation may occur

Repeated dose toxicity: no toxic effects

Mutagenicity: no toxic effects

Carcinogenicity: no toxic effects

Reproductive toxicity: not a known reproductive toxin.

SECTION 12: Ecological information

Ecotoxicity values: no specific information available

12.2 Persistence and degradability

Persistence and degradability: biologically degradable

12.3 Bioaccumulative potential

Bioaccumulative potential: ingredients not bioaccumulative

12.4 Mobility in soil

Mobility: no specific data available

12.5 Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT or vPvB substance.

12.6 Other adverse effects

Other adverse effects: none known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/packaging disposal: Dispose of packaging and contents in accordance with local/national regulations

Waste codes/waste designations according to LoW: None

13.1.2 Waste treatment – relevant information: dispose of at local waste disposal site in accordance with local regulations.

13.1.2 Sewage disposal – relevant information: waste should not be released to sewers.

13.1.4 Other disposal recommendations: none

SECTION 14: Transport information

14.1 UN number

UN number : not classified according to ADR, non hazardous for transport

14.2 UN proper shipping name

Shipping name: not classified as hazardous for transport

14.3 Transport hazard class(es)

Transport class: not classified as hazardous for transport

14.4 Packing group

Packing group: not applicable

14.5 Environmental hazards

Environmentally hazardous: Not classified as environmentally hazardous.

Marine Pollutant: Not a marine pollutant

14.6 Special precautions for user

Special precautions: none

Tunnel code: not applicable

Transport category: not applicable

SECTION 15: Regulatory information

15.1 Safety, health and Environmental regulations/legislation specific for the mixture

EU regulations: not applicable

Authorisations and/or restrictions on use: none

Specific regulations: not applicable

15.2 Chemical safety assessment

Chemical safety assessment: a COSHH assessment has been carried out for the substance or mixture by the supplier

SECTION 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010 and EC Regulation No 1272/2008.

*Indicates text in the SDS which has been changed since the last revision

Phrases used in Section 2 and Section 3: none.

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.