



**Safety Data Sheet**  
**VitaLink Turbo**

Date: 23.11.2015  
Revision Date: N/A  
Version: 1

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

**1.1 Product Identifier**

**Substance or preparation trade name:** VitaLink Turbo  
**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:**

Plant Bio stimulant that acts to rapidly increase flower weight and size.  
Use at 1 ml/L from two weeks prior to flowering and throughout flowering period until flushing.

**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](mailto: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 Turbo.

**Description of the mixture:**

Solution containing algal extracts, amino acids, naturally occurring cytokinins, lignin salts, glucoside and trace elements.

**Hazardous Ingredients:** Listed in table below.

None of the ingredients are included in high enough concentrations to be classified under CLP regulations

| Name        | Cas No     | EC No | Reach Registration No. | % (weight) | Classification according to 67/548/EEC | Classification according to Regulation EC No 1278/2008 (CLP) |
|-------------|------------|-------|------------------------|------------|--|--|
| Surfac APGi | 68515-73-1 |       | /                      | 0.01       |  | R41: Risk of serious damage to eyes                          |

**% Contents:**

|                               |          |
|-------------------------------|----------|
| Nitrogen                      | 0.06%    |
| P <sub>2</sub> O <sub>5</sub> | >0.01%   |
| K <sub>2</sub> O              | >0.025%  |
| Copper                        | 0.001%   |
| Sulfur                        | 0.02%    |
| Carbon                        | >0.6%    |
| Manganese (Mn)                | 0.002%   |
| MgO                           | > 0.003% |
| CaO                           | >0.001%  |
| Algal Extracts                | 0.5%     |
| L-Amino Acids                 | 0.2%     |

Also contains algal extracts, amino acids, naturally occurring cytokinins, lignin salts and glucoside.

**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:** No special hazards. No special equipment 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 PVC or rubber 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:** see section 5.0

### 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:** Always use diluted. Use at 1 ml/L from two weeks prior to flowering and throughout flowering period until flushing. VitaLink Turbo should be used alongside your base nutrients and additives. It is a biological stimulant and as such will not push your EC any higher. Shake well before use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

Employ good industrial hygiene practice.

**Hazardous ingredients:** no hazardous ingredients at concentrations requiring classification according to CLP (Regulation (EC) No 1272/2008).

**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:** dark brown

**State:** liquid

**Odour:** soapy

**pH:** 4.2-4.7

**Melting/freezing point:** unknown

**Boiling point:** unknown

**Flash point:** unknown

**Evaporation rate:** unknown

**Flammability:** not flammable

**Vapour pressure:** unknown

**Vapour density:** unknown

**Relative density:** 1.05 g/cm<sup>3</sup>

**Viscosity:** unknown

**Oxidising properties:** unknown

**Explosive properties:** unknown

**Solubility in water:** 100% soluble

### 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:** No known incompatibilities.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products:** no data available

## 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

### 12.1 Toxicity

**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:** substance has high mobility in soil.

### 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.

MSDS from Surfachem for Surfac APGi

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

**Phrases used in Section 2 and Section 3:**

R41: Risk of serious damage to eyes

**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.