



**Safety Data Sheet**  
**VitaLink Essentials pH Indicator Fluid Wide Spectrum**

Date: 23.05.2016  
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 Essentials pH Indicator Fluid – Wide Spectrum

**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:** pH indicator for pH testing between the range 4-8.5.

**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):**

Category 2 – Eye irritant

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

Xi; R36 Irritant; Irritating to eyes

#### **2.1.3 Additional information:**

H319: Causes serious eye irritation

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

### **2.2 Label Elements**

#### **Label elements under CLP:**

##### **Hazard Statements:**

H319: causes serious eye irritation

H225: Highly flammable liquid and vapour

H336: May cause drowsiness or dizziness

**Signal Words:** Danger

**Hazard Pictograms:**



**Precautionary Statements:**

P260: Do not breathe fumes

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/protective clothing/face protection/eye protection

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

**Precautionary Statement Response:**

P304/340: IF INHALED: remove victim to fresh air and keep at rest in a comfortable position for breathing.

P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

**2.3 Other Hazards**

**Supplemental hazard information:** Not applicable

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

**Substance trade name:** VitaLink Essentials pH Test Indicator Wide Spectrum

| Name                 | Cas No  | EC No     | Reach Registration No. | % (weight) | Classification according to 67/548/EEC           | Classification according to Regulation EC No 1278/2008 (CLP)  |
|----------------------|---------|-----------|------------------------|------------|--|---|
| Alcohol (2-propanol) | 67-63-0 | 200-661-7 | N/A                    | 40%        | F Highly flammable R11<br>Xi Irritant R36<br>R67 | Flammable liquids (Category 2), H225<br>Eye irritation (Category 2), H319<br>Specific target organ toxicity - single exposure (Category 3), |

|  |  |  |  |  |  |                              |
|--|--|--|--|--|--|------------------------------|
|  |  |  |  |  |  | Central nervous system, H336 |
|--|--|--|--|--|--|------------------------------|

**SECTION 4: First Aid Measures**

**4.1 Description of first aid measures**

**General notes:**

**Following Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. IMMEDIATELY IRRIGATE WITH CLEAN WATER for at least 10 minutes. 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:** Wear gloves to avoid skin contact whilst treating patient. Avoid inhalation of chemical.

**4.2 Most important symptoms and effects, both acute and delayed**

**Delayed/immediate effects:**

Skin contact: may cause irritation

Eye contact: causes serious eye irritation. May cause permanent damage.

Ingestion: may cause irritation.

Inhalation: may cause irritation to the respiratory system. May cause drowsiness or dizziness

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

**4.3 Indication of any immediate medical attention/special treatment**

**Immediate/special treatment:** See first aid treatment in section 4.1.

## SECTION 5: Fire fighting measures

### 5.1 Extinguishing media

**Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** not applicable

### 5.2 Special hazards arising from the substance or mixture

**Exposure Hazards:** carbon oxides

### 5.3 Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

## 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:** Wear self-contained breathing apparatus.

### 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. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**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 in cool place and away from direct sunlight. Keep out of reach of children. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.

**Suitable packaging:** store in original packaging only.

**Storage class:** (TRGS 510): Flammable liquids

**Further information on storage conditions:** none

### 7.3 Specific end use(s)

**Recommendations:** Fill the vial with your solution to be tested. Add 3 drops of test indicator. Shake well, then match the colour to the chart to read your pH. Contains approximately 150 tests. At a rate of 3 tests per week it will last one year. Covers pH range 4.0-8.5 measuring in 0.5 increments.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

Employ good industrial hygiene practice.

**Hazardous Ingredients:** 2-propanol

**Workplace exposure limits:** UK 8 hour TWA = 999 mg/m<sup>3</sup>.

### 8.2 Exposure controls

**8.2.1 Engineering measures:** Ensure there is sufficient ventilation of the area.

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

#### 8.2.2 Personal protective equipment:

**Respiratory protection:** not applicable

**Hand Protection:** glove (nitrile rubber)

**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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** clear  
**State:** liquid  
**Odour:** alcohol like  
**pH:** 7-8  
**Melting/freezing point:** unknown  
**Boiling point:** unknown  
**Flash point:** unknown  
**Evaporation rate:** unknown  
**Flammability:** Flammable  
**Vapour pressure:** unknown  
**Vapour density:** unknown  
**Relative density:** 9.13 g/cm<sup>3</sup>  
**Viscosity:** unknown  
**Oxidising properties:** non oxidizing.  
**Explosive properties:** unknown  
**Solubility in water:** 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:** Heat, flames and sparks. Excessive temperature variations, below 0°C or above 45°C. Store between 5-25°C and out of direct sunlight.

#### 10.5 Incompatible materials

**Materials to avoid:** Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

#### 10.6 Hazardous decomposition products

**Hazardous decomposition products:** In combustion emits carbon oxides

### 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:** The preparation is not harmful the environment and does not present any dangers in terms of persistency and degradability.

### 12.3 Bioaccumulative potential

**Bioaccumulative potential:** Preparation is not expected to bioaccumulate due to high water solubility.

### 12.4 Mobility in soil

**Mobility:** The preparation is highly dispersible in water and has a low vapour pressure. Product is likely to distribute predominantly to the aqueous environment.

### 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

## 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:** 1993

**14.2 UN proper shipping name**

**Shipping name:** Flammable Liquid, N.O.S

**14.3 Transport hazard class(es)**

**Transport class:** 3

**14.4 Packing group**

**Packing group:** II

**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:** N/A

**Transport category:** 2

**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 Sheet used for Information from Sigma Aldrich, Product Number I9516, 2-Propanol

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

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

H319: causes serious eye irritation

H225: Highly flammable liquid and vapour

H336: May cause drowsiness or dizziness

Precautionary Statements:

P260: Do not breathe fumes

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P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Precautionary Statement Response:

P304/340: IF INHALED: remove victim to fresh air and keep at rest in a comfortable position for breathing.

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P337 + P313 If eye irritation persists: Get medical advice/attention

**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.