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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

- 1.1. Product identifier** PLANT GUARD
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses Plant Tonic
- 1.3. Details of the supplier of the safety data sheet**  
Vitax Limited  
Owen Street  
Coalville  
LE67 3DE  
Tel: 01530 510060 Email: info@vitax.co.uk
- 1.4. Emergency telephone number** Emergency telephone +44 (0) 1530 510060 Mon - Fri 9am - 5pm
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**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1. Classification of the substance or mixture**  
Physical hazards Not Classified  
Health hazards Not Classified. Contains **fish** oils and **soy** lecithin. **Allergens** shown in **bold** print.  
Environmental hazards Not Classified
- 2.2. Label elements**  
Pictogram n/a  
Signal word n/a  
Hazard statement. n/a  
Precautionary statements n/a
- 2.3. Other hazards** This substance is not classified as PBT or vPvB according to current EU criteria.
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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.2. Mixtures** Contains no hazardous ingredients according to EU Regulations. Contains **fish** oils and **soy** lecithin. **Allergens** shown in **bold** print.
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**SECTION 4: FIRST AID MEASURES**

- 4.1. Description of first aid measures**  
Inhalation Remove to fresh air. Get medical attention if symptoms persist.  
Ingestion Wash out mouth with water. Get medical attention.  
Skin contact Wash skin thoroughly with soap and water. Get medical attention if symptoms persist.  
Eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist.
- 4.2. Most important symptoms and effects, both acute and delayed**  
Gastric or intestinal disorders if ingested. Slight irritant effect on eyes.
- 4.3. Indication of any immediate medical attention and special treatment needed**  
Notes for the doctor No relevant data available.
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**SECTION 5: FIRE FIGHTING MEASURES**

- 5.1. Extinguishing media**  
Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.  
Unsuitable extinguishing media water jet.
- 5.2. Special hazards arising from the substance or mixture**  
Specific hazards No relevant data available.
- 5.3. Advice for firefighters**  
Protective actions during firefighting Contain run-off to prevent entry into water or drainage systems.  
Special protective equipment for firefighters Wear self-contained respiratory protective equipment and protective clothing.
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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1. Personal precautions, protective equipment and emergency procedures**  
Personal precautions Ensure adequate ventilation. For large spills, wear protective clothing. Risk of slipping on leaked/spilled product.
- 6.2. Environmental precautions**  
Environmental precautions Do not allow to enter sewers, surface or ground water.
- 6.3. Methods and material for containment and cleaning up**  
Methods for cleaning up Soak up spillages with sand or other absorbant material and place into containers for disposal.
- 6.4. Reference to other sections**



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Reference to other sections	See Section 7 for information on safe handling, Section 8 for information on personal protection equipment and Section 13 for disposal information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions No special measures required.

Advice on general occupational hygiene No special measures required.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool, dry place away from oxidising agents.

### 7.3. Specific end use(s)

Specific end use(s) See Section 1.2.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Workplace exposure limits WEL propylene glycol LTEL150ppm, 470mg/m<sup>3</sup> vapour and particulates, 10mg/m<sup>3</sup> particulates only.

### 8.2. Exposure controls

Protective equipment The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.

Eye/face protection Wear eye/face protection when handling damaged or leaking units.

Hand protection Gloves not required under normal conditions of use. Wear protective gloves to handle contents of damaged or leaking units.

Other skin and body protection No specific personal protective equipment.

Hygiene measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.

Respiratory protection Not required under normal conditions of use. For large spills, respiratory protection may be advisable.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquids.
Colour	Yellow-brown.
Odour	Characteristic fish-like.
Flammability	The product is not flammable but will burn in a fire.
Boiling Point	250 deg C
Flash Point	300 deg C
Solubility	Forms emulsion in water.
Vapour pressure	23 hPa at 20 deg C
Density	<1.0 g/cm <sup>3</sup> at 20 deg C
Decomposition Temperature	200-250 deg C.
Explosive properties	not determined.

### 9.2. Other information

Other information No relevant data available.

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## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity No test data specifically related to reactivity available for this product.

### 10.2. Chemical stability

Stability Stable when stored in a dry place.

### 10.3. Possibility of hazardous reactions

Reacts with strong oxidising agents. Toxic fumes may be released if heated above the decomposition point.

### 10.4. Conditions to avoid

No relevant data available.

### 10.5. Incompatible materials

Materials to avoid No relevant data available.

### 10.6. Hazardous decomposition products

Carbon and nitrogen oxides.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity No specific test data are available on product

Primary irritant effect:

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<b>on the skin:</b>	No irritant effect.
<b>on the eye:</b>	No irritating effect.
<b>Sensitization:</b>	Contains <b>fish</b> oil and <b>soy</b> lecithin. <b>Allergens</b> shown in <b>bold</b> print.
<b>Subacute to chronic toxicity:</b>	No further relevant information available.
<b>Additional toxicological information:</b>	The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
<b>Carcinogenic categories</b>	None of the ingredients is listed.
<b>Repeated Dose Toxicity:</b>	No further relevant information available.

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## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1. Toxicity</b>	No relevant data available. The product is not expected to be toxic to aquatic organisms.
<b>12.2. Persistence and degradability</b>	
Persistence and degradability	No relevant data available.
<b>12.3. Bioaccumulative potential</b>	
Partition coefficient	No relevant data available.
<b>12.4. Mobility in soil</b>	
Mobility	No relevant data available.
<b>12.5. Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
<b>12.6. Other adverse effects</b>	No relevant data available.

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## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1. Waste treatment methods</b>	
General information	Dispose of waste in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Reuse or recycle products wherever possible. No specific disposal method required.

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## SECTION 14: TRANSPORT INFORMATION

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
<b>14.1. UN number</b>	Not applicable.
<b>14.2. UN proper shipping name</b>	Not applicable.
<b>14.3. Transport hazard class(es)</b>	No transport warning sign required.
<b>14.4. Packing group</b>	Not applicable.
<b>14.5. Environmental hazards</b>	
Environmentally hazardous substance/marine pollutant	No.
<b>14.6. Special precautions for user</b>	Not applicable.
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

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## SECTION 15: REGULATORY INFORMATION

<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
<b>15.2. Chemical safety assessment</b>	No chemical safety assessment has been carried out.

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## SECTION 16: OTHER INFORMATION

<b>Abbreviations and acronyms:</b>	LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent LTEL: Long Term Exposure Limit
<b>Liability</b>	The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.