

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

### 1.1. Product identifier

**Product name:** Pioner Hi-Fruit 4-1-5

**Product code:** 104

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

For use as a professional fertiliser

### 1.3. Details of the supplier of the safety data sheet

Ilex EnviroSciences Limited  
Willingham Hall  
Willingham Road  
Market Rasen  
Lincolnshire  
LN8 3RH

Contact the Safety Officer  
Telephone: + 44 (0) 01673 885 175  
Email: murray@ilex-envirosciences.com

### 1.4. Emergency telephone number

For urgent medical help or advice, contact the NHS by calling 111.

For product-related advice, call + 44 (0) 01673 885 175 (0900-1700 Mon-Fri excl. Bank Holidays)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008:

Not classified.

### 2.2. Label elements

There are no statutory label elements in accordance with Regulation (EC) No 1272/2008.

### 2.3. Other hazards

This product does not meet the criteria for PBT or vPvB.

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

#### **3.2. Mixtures**

This product contains no hazardous substances at levels requiring inclusion within this Safety Data Sheet.

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

**Inhalation:** Remove from source of exposure to fresh air. Seek medical attention if symptoms persist or develop.

**Skin contact:** Drench skin with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

**Eye contact:** Irrigate with copious amounts of clean water for at least 10 minutes. Seek medical advice if symptoms persist or develop.

**Ingestion:** Do not induce vomiting. Wash out mouth with water and give water to drink. Seek medical attention if symptoms persist or develop.

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

Information not specified.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Information not specified.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

This product is not classified as flammable. Use extinguishing media suitable for surrounding materials, e.g. dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

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

None specified.

#### **5.3. Advice for firefighters**

Cool down containers/equipment exposed to heat with a water spray. Wear complete protective clothing and self-contained breathing apparatus. Contain spread of extinguishing fluids.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Avoid contact with skin and eyes. Remove all sources of ignition. Ventilate area of spill.

### 6.2. Environmental precautions

Do not allow product to enter watercourse. If product enters watercourse (including via contaminated soil & vegetation) in large quantities, contact the Environment Agency.

### 6.3. Methods and material for containment and cleaning up

Absorb spill using inert material (sand, dry earth) and transfer to suitably labelled container for disposal.

### 6.4. Reference to other sections

See section 8 for personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke whilst using this product. Wash hands thoroughly after handling.

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

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials and strong oxidising agents.

### 7.3. Specific end use(s)

Read label before use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

There are no workplace exposure limits for this product.

### 8.2. Exposure controls

**Engineering Measures:** Ensure adequate ventilation.

**Respiratory Equipment:** BS approved protection device with P3 filter.

**Hand Protection:** BS EN374 – chemical protection: physical barrier protection only.

**Eye Protection:** Goggles/face shield to BS EN166.

**Skin Protection:** Coveralls – suit to BS EN 465/466/467.

**Hygiene Measures:** Keep away from foodstuffs and beverages. Do not eat, drink or smoke whilst using this product. Wash hands thoroughly after handling and launder any contaminated clothing.

## SECTION 9: Physical and chemical properties

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

Appearance: Brown liquid

Odour: Non-pungent, starch

Odour threshold: Information not available

pH: 4.0 – 6.0 (5% solution)

Melting point/freezing point: Information not available

Initial boiling point and boiling range: Information not available

Flash point: Information not available

Evaporation rate: Information not available

Flammability: Not flammable

Upper/lower flammability or explosive limits: Not applicable – product not classified as flammable or explosive

Vapour pressure: Information not available

Vapour density: Information not available

Relative density: Information not available

Solubility: Disperses readily in water

Partition coefficient: n-octanol/water: Information not available

Auto-ignition temperature: Information not available

Decomposition temperature: Information not available

Viscosity: Information not available

Explosive properties: Product not classified as explosive

Oxidising properties: Product not classified as oxidising

Specific gravity: 1.27 – 1.33

### 9.2. Other information

None specified.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Information not available.

### 10.2. Chemical stability

Stable under normal conditions of storage and use.

### 10.3. Possibility of hazardous reactions

None specified.

#### **10.4. Conditions to avoid**

Extremes of temperature.

#### **10.5. Incompatible materials**

None specified.

#### **10.6. Hazardous decomposition products**

Possible Irritant fumes.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

|   |  |
|---|--|
| <b>Acute toxicity:</b>                    | Not expected to be toxic, however if large quantities are ingested, seek medical advice. |
| <b>Skin corrosion/irritation:</b>         | Product is not classified for skin corrosion or irritation                               |
| <b>Serious eye damage/irritation:</b>     | Product is not classified for eye damage or irritation                                   |
| <b>Respiratory or skin sensitisation:</b> | Product is not classified for respiratory or skin sensitisation                          |
| <b>STOT-single exposure:</b>              | No information specified.  |
| <b>STOT-repeated exposure:</b>            | No information specified.  |
| <b>Aspiration hazard:</b>                 | No information specified.  |

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

Product is not classified as hazardous to the environment.

#### **12.2. Persistence and degradability**

Information not available.

#### **12.3. Bioaccumulative potential**

Information not available.

#### **12.4. Mobility in soil**

Information not available.

#### **12.5. Results of PBT and vPvB assessment**

Information not available.

#### **12.6. Other adverse effects**

None specified.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Dispose of in accordance with local regulations via specialised waste contractor. Rinse empty containers with water.

## **SECTION 14: Transport information**

### **14.1. UN number**

Product is unclassified for transport.

### **14.2. UN proper shipping name**

Product is unclassified for transport.

### **14.3. Transport hazard class(es)**

Product is unclassified for transport.

### **14.4. Packing group**

Product is unclassified for transport.

### **14.5. Environmental hazards**

Product is not considered harmful to the environment.

### **14.6. Special precautions for user**

Information not available.

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

Applicable for Maritime bulk transport only. Check with carrier.

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This product is classified and labelled in accordance with 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, and 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).

### **15.2. Chemical safety assessment**

Chemical safety assessment not undertaken for this product.

## SECTION 16: Other information

### Abbreviations:

|      |                                       |
|------|---------------------------------------|
| PBT  | Persistent, Bioaccumulative and Toxic |
| STOT | Specific Target Organ Toxicity        |
| vPvT | very Persistent and very Toxic        |

This Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex II of the REACH regulation as amended by Regulation 453/2010.

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