

**William Sinclair Horticulture Limited**

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**SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier:****Deadfast Path and Patio Weedkiller  
(MAPP 16194)****1.2 Relevant uses of the substance or mixture and uses advised against:****Herbicide****1.3 Details of the supplier of the safety data sheet:**

William Sinclair Horticulture Limited  
Firth Road  
Lincoln  
LN6 7AH

**Contact: The Safety officer**  
**Phone number: 00 44 (0) 1522 537561**  
**Fax: (01522) 513609**  
**E Mail: info@william-sinclair .co.uk**

**1.4 Emergency phone number****Phone number: 00 44 (0) 1522 537561**

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**2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)**

This mixture is not classified as dangerous to humans or the environment

**Classification according to 67/548/EEC (EU-DSD)**

This mixture is not classified as dangerous to humans or the environment

**Primary Hazard**

None

**2.2 Label Elements**

## Label Elements:

Pictogram	None
Signal Word	None
Hazard Statement: (H-Statement)	None

## Precautionary Statements:

P102: Keep out of reach of children

P270: Do not eat, drink or smoke when using this product

P280: Wear suitable gloves, protective clothing, gloves and eye/face protection.

P301+P312: If swallowed, seek medical advice and show this container or label.

P305+P351: If in eyes rinse cautiously with water for several minutes

P273: Avoid release to the environment

P501: Dispose of contents/container to a licensed waste disposal contractor or collection site

**2.3 Other Hazards**

Mixture not classed as PBT or vPvB

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### **3.1 Composition**

	CAS/EINECS	R Phrases	% w/w
Glyphosate	1071-83-6 / 213-997-4	Eye Dam. 1, H318 H411	0.72%

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### 4. FIRST AID MEASURES

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

##### **4.1.1 Inhalation**

If symptoms arise remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop

##### **4.1.2 Skin & Eye exposure**

Skin: Drench immediately with water. Remove any contaminated clothing and launder before re-use. Obtain medical attention if symptoms develop or persist.

Eyes: Immediately rinse with clean water for 15 minutes. Obtain medical attention if symptoms develop or persist.

##### **4.1.3 Ingestion**

Consult a doctor immediately and show this MSDS or the product label.

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

Information not available

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

No further relevant information available

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### 5. FIRE-FIGHTING MEASURES

#### **5.1 Extinguishing media**

Carbon Dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam. Do not allow the run off to enter the drains or water courses.

#### **5.2 Special Hazards arising from the substance or mixture**

Formation of toxic gases possible during heating or in fire: nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and sulphur dioxide (SO<sub>2</sub>). Under certain conditions traces of other toxic gases may also form.

#### **5.3 Advice for fire-fighters**

Adequate protective clothing and self-containing breathing apparatus must be worn.

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### 6. ACCIDENTAL RELEASE MEASURES

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

Restrict access to the area as appropriate until clean-up operations are complete.

Ensure adequate ventilation

Use personal protective equipment,

- Gloves

- Eye protection

#### **6.2 Environmental Precautions**

Prevent material from entering drains or waterways. If drains, streams, soil or sewers become contaminated then notify the local authority.

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

Contain the spillage with a barrier of earth, sand, sawdust or other similar absorbent material. Sweep up contaminated absorbent material and place in a marked container for disposal by an authorized contractor. Contaminated surfaces May be cleaned using water or a detergent/water mixture. If contamination occurs in a public place or if the product enters a watercourse or sewer, the police and water authorities should be informed.

#### **6.4 Reference to other sections**

See also section 8

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### 7. HANDLING AND STORAGE

#### **7.1 Precaution for safe handling**

Ensure good ventilation in the workplace. Prevent to formation of aerosols. Do not eat drink or smoke

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

Product must be stored in the original labelled container, tightly closed in a safe place. The product should be protected from frost and direct sunlight.

#### **7.3 Specific end use(s)**

No Information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1 Control Parameters**

No occupational exposure limit values have been assigned for the substances in this mixture.

### **8.2 Exposure controls**

#### Personnel Protective Equipment

The usual precautionary measures should be adhered to. General rules for handling chemicals

Avoid contact eyes and skin. Do not eat drink or smoke while using. Keep away from foodstuffs and beverages. Take off immediately all contaminated clothing. Wash hands during breaks in use and completion of using. Keep out of the reach of children. Keep children and pets away from treated areas until the material has dried

Breathing protection is recommended during spraying. Rubber gloves and safety glasses recommended

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance;** Colourless Liquid

**Odour;** Characteristic

**Odour threshold;** No information available

**Melting point/freezing;** no information available

**Initial boiling point and boiling range;** no information available

**Flash point;** n/a

**Density;** 1.01 g cm<sup>-3</sup>

**Solubility;** soluble in water

**pH;** 4.86 (1% aqueous)

**eC;** 1.8 mS/cm (1:6 dilution)

**Viscosity;** 1.060 cSt

**Surface Tension;** 35.1 mN/m

### **9.2 Other Information**

No other relevant information available

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## 10. STABILITY AND REACTIVITY

### **10.1 Reactivity**

Stable under normal conditions.

### **10.2 Chemical Stability**

The product is stable under normal storage conditions in its original container. It must be protected from frost. See also Section 3 of this data sheet

### **10.3 Possibility of hazardous reactions**

No specific hazardous reactions known.

### **10.4 Conditions to avoid**

No information available

### **10.5 Incompatible materials**

No information available.

### **10.6 Hazardous decomposition products**

Thermal decomposition products may include toxic and corrosive fumes and toxic oxides of nitrogen

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## 11. TOXICOLOGICAL INFORMATION

### **11.1 Information on toxicological effects (from higher concentration product)**

LD/LC 50 values		
Formulated Products	Oral LD50: 5000 mg/Kg (rat)	Dermal LD50 >5000 mg/Kg (rat)
Active Substance	Inhalation LC50 / 4h 5.7 mg/l	

Skin irritation: No irritant effects.

Eye irritation: not irritant

Sensitization: No sensitization effect known

## 11.2 Potential chronic health effects

Carcinogenicity: No adverse effects reported

Mutagenicity: No adverse effects reported

Reproductive toxicity: No adverse effects reported

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Aquatic Toxicity (from higher concentration product)		
Fish LC50: > 100 mg/l	Daphnia LC50: > 100 mg/l	Algae LC50: > 100 mg/l
Other Toxicity (Active Substance)		
Bird LC50: > 3851 mg/l	Bee LD50: > 100 µg/bee	

### 12.2 Persistence and degradability

Not persistent in water, moderately persistent in water

### 12.3 Bioaccumulative potential

This substance is not expected to bioaccumulate.

### 12.4 Mobility in soil

Strongly absorbs to soil

### 12.5 Results of PBT and vPvB

Not classified

### 12.6 Other adverse effects

Information not available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Dispose of unused product in its container at a household waste site. Contact your local council (local authority) or [www.gardenchemicaldisposal.co.uk](http://www.gardenchemicaldisposal.co.uk).

Disposal of packaging: Dispose of empty container in a dustbin

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## 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** Product is unclassified for transport

**14.4 Packing group:** Product is unclassified for transport

**14.5 Environmental hazards:** Product is unclassified for transport

**14.6 Special precautions for user:** No information available

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

Applicable for Maritime bulk transport only. Check with carrier.

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## 15. REGULATORY INFORMATION

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

This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EC Fertiliser Regulations 2003, 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC)

MAPP No 16194

Precautionary Statements:

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P270 Do not eat, drink or smoke when using this product

P280 Wear suitable gloves, protective clothing, gloves and eye/face protection.

P301+ P312 If swallowed, seek medical advice and show this container or label.

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P273 Avoid release to the environment

P501 Dispose of contents/container to a licensed waste disposal contractor or collection site

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## 16. OTHER INFORMATION

R phrases referenced in section 3

H318: Causes serious eye damage

H411: Toxic to aquatic life

**SDS information:**

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 Directive 1999/45/EC, regulation 1272/2008 and Annex I of the REACH regulation 453/2010.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

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