



# Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 21-May-2008

Revision Number: 0

Revision date:

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

MSDS Ref. No.: SCSDS339  
Product name: Heritage

### Use of the Substance/Preparation

Recommended use: Fungicide.

Company/Undertaking Identification • Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ  
United Kingdom

Emergency telephone number: • ++44 (0) 1865 407333 (24h)

Email: INFO-MSDS@Scotts.com

## 2. HAZARDS IDENTIFICATION

### Classification

N - Dangerous for the environment

### Most important hazards

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Azoxystrobin	131860-33-8	> 25%	607-256-00-X	N;R50-53 T;R23
Naphthalenesulfonic acid, sodium salt, polymer with formaldehyde	9008-63-3	5 - 10%		R36/38

NE = Non-Established

Revision date:

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**For the full text of the R phrases mentioned in this Section, see Section 16**

#### 4. FIRST AID MEASURES

<b>General advice:</b>	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Ingestion:</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.
<b>Inhalation:</b>	Move person to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.
<b>Skin contact:</b>	Remove and wash contaminated clothing before re-use.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
<b>Notes to physician:</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Water spray mist or foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:**

Do not use a waterjet because the fire can burst apart and spread more easily

**Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:**

Thermal decomposition can lead to release of irritating gases and vapours. Dust may form explosive mixture in air.

**Special protective equipment for firefighters:**

Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.

**Specific methods:**

In the event of fire, cool tanks with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment. Avoid dust formation.

**Environmental precautions:**

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Methods for cleaning up:**

Avoid dust formation. Take up mechanically and collect in suitable container for disposal.

#### 7. HANDLING AND STORAGE

**Handling:**

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**Technical measures/precautions:**

Ensure adequate ventilation. Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition. Electrical equipment should be protected to the appropriate standard.

**Safe handling advice:**

Dust can form an explosive mixture in air. Avoid contact with skin and eyes. When using do not eat or drink. When using do not smoke. Wear personal protective equipment.

**Storage:****Technical measures/storage conditions:**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from extreme temperatures. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

**Incompatible products:**

No information available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Provide appropriate exhaust ventilation at places where dust is formed..

**Occupational exposure controls****Personal protective equipment****Respiratory protection:**

Respirator with FFP3 filter.

**Hand protection:**

Protective gloves.

**Eye/face protection**

Protective eye wear is normally not required but suggested so contact can be avoided.

**Skin and body protection:**

Lightweight protective clothing.

**Hygiene measures**

When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs.

**Exposure limit values***Azoxystrobin*

UK EH40 WEL:

(8hr) 2mg/m<sup>3</sup>

Source: Syngenta

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information****Physical State:**

Solid

**Color:**

Light brown

**Odor:**

None

**Important Health Safety and Environmental Information**

**Density:** 0.54 g/cm<sup>3</sup>  
**Solubility:** Miscible  
**Explosive properties:** Dust may form explosive mixture in air  
Dust explosion class: Group A dust.  
Minimum ignition energy: 3 - 10mJ

#### Other information

**Oxidising properties:** Not oxidizing .  
**pH:** 6.5 at 10g/l

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.  
**Conditions to avoid:** Extremes of temperature and direct sunlight. Dust may form explosive mixture in air.  
**Materials to avoid:** None known.  
**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapours.

## 11. TOXICOLOGICAL INFORMATION

#### Component information

#### Product information

LC50/inhalation/4h/rat = >4.67mg/l  
LD50/dermal/rat = >2,000mg/kg  
LD50/oral/rat = >5,000mg/kg

#### Local effects

**Skin effects:** May cause skin irritation in susceptible persons  
**Eye effects:** May cause eye irritation with susceptible persons  
**Inhalation:** May cause irritation of respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

## 12. ECOLOGICAL INFORMATION

#### Product information

**Aquatic toxicity:** EBC50/72h/green algae = 120ug/l .  
ERC50/72h/green algae = 950ug/l .  
EC50/48h/daphnia = 1.8ug/l.  
LC50/96h/rainbow trout = 1.1mg/l.

LC50/96h/bluegill sunfish = 2.4mg/l.

### Component information

May cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Dispose of in accordance with local regulations and national regulations.

**Contaminated packaging:** Do not re-use empty containers. Empty containers should be taken to local recyclers for disposal.

## 14. TRANSPORT INFORMATION

### Product information

**Physical State:** Solid

### ADR/RID

**UN-No:** 3077  
**Proper shipping name:** Environmentally Hazardous Substance Solid N.O.S.(AZOXYSTROBIN 50%).  
**Hazard Class:** 9  
**Packing group:** III

### IATA

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### IMO / IMDG

**UN-No:** 3077  
**Proper shipping name:** Environmentally Hazardous Substance Solid N.O.S.(AZOXYSTROBIN 50%)  
**Hazard Class:** 9  
**Packing group:** III  
**Description:** Marine Pollutant  
**EmS:** F-A / S-F

## 15. REGULATORY INFORMATION

### Indication of danger:

N - Dangerous for the environment.

To avoid risks to man and the environment, comply with the instructions for use.

**15. REGULATORY INFORMATION**

Contains: Azoxystrobin



R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S -phrase(s)**

S 2 - Keep out of the reach of children.

S13 - Keep away from food, drink and animal feedingstuffs.

S35 - This material and its container must be disposed of in a safe way.

S57 - Use appropriate container to avoid environmental contamination.

S20/21 - When using, do not eat, drink or smoke.

**Registration number UK/Eire**

MAPP 11383 PCS No: 02092

**16. OTHER INFORMATION****Text of R Phrases mentioned in Section 3**

R23 - Toxic by inhalation.

R36/38 - Irritating to eyes and skin.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Reason for revision:**

\*\*\* Indicates changes since the last revision. This version replaces all previous versions

**Prepared by:**

Regulatory Affairs Department.

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**End of Safety Data Sheet**