



SAFETY DATA SHEET

According to EC Directive 2001/58/EC

Print date: 24-Nov-2005

Revision Number: 0

Revision date: (invalid 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

2. 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
Sulfuric acid, mono-C12-18-alkyl esters sodium salts	68955-19-1	1 - 5%	273-257-1	R36/38
naphthalenesulfonic acid, sodium salt, polymer with formaldehyde	9008-63-3	5 - 10%		R36/38

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

3. 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.

4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water spray mist or foam, dry chemical, carbon dioxide (CO₂).

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire

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:**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 extremes of temperature. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Incompatible products:

No information available

Specific use(s):

No information available

Verband der Chemischen Industrie (VCI):
Risk classification according to VbF (Germany)

Exempt
Exempt

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/m³
Source: Syngenta

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State: Granules
Color: Light brown
Odor: None

Important Health Safety and Environmental Information

pH: 6.5 at 10g/l

Explosive properties: Dust may form explosive mixture in air
Dust explosion class: Group A dust.
Minimum ignition energy: 3 - 10mJ

Oxidising properties: Not oxidizing

Density: 0.54 g/cm³

Solubility: Miscible

Other information

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**Additional ecological 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:**

Granules

ADR/RID**UN-No:**

3077

Packing group:

III

Proper shipping name:Environmentally Hazardous Substance Solid
N.O.S.(AZOXYSTROBIN 50%).**Hazard Class:**

9

IATA**UN-No:**

3077

Proper shipping name:Environmentally Hazardous Substance Solid
N.O.S.(AZOXYSTROBIN 50%)**Packing group:**

III

Hazard Class:

9

IMO / IMDG**UN-No:**

3077

Proper shipping name:Environmentally Hazardous Substance Solid
N.O.S.(AZOXYSTROBIN 50%)**Packing group:**

III

Hazard Class:

9

Description:

Marine Pollutant

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.

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 2

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:

Not applicable

Prepared by:

Regulatory Affairs Department.

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End of Safety Data Sheet