



Material Safety Data Sheet

According to EC Regulation 1907/2006

Print date: 02-Aug-2012

Revision Number: 1

Revision date: 04-Jul-2012

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

Identification of the substance or preparation

MSDS Ref. No.: P11005
Product name: Heritage

Use of the Substance/Preparation

Recommended use: For use only as a horticultural fungicide.

Company/Undertaking Identification

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2. HAZARDS IDENTIFICATION

Classification

Indication of danger:

N - Dangerous for the environment.
The product is classified and labelled in accordance with Directive 1999/45/EC.
To avoid risks to man and the environment, comply with the instructions for use.
N - Dangerous for the environment

N



Most important hazards

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

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

2. HAZARDS IDENTIFICATION

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

NE = Non-Established

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

4. FIRST AID MEASURES

General advice:	If you feel unwell, seek medical advice (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:	Remove and wash contaminated clothing before re-use.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Notes to physician:	Artificial respiration and/or oxygen may be necessary

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂). Foam. Powder. Water spray mist or foam.

Unsuitable extinguishing media:

High volume water jet

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

Danger of toxic gases in smoke. Dust may form explosive mixture in air.

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus.

Specific methods:

Cool containers / tanks with spray water. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions:

Wear personal protective equipment.

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. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Ensure adequate ventilation. Avoid dust formation. Keep away from source of ignition. .

Safe handling advice:

Avoid dust formation. Fine dust dispersed in air may ignite. When using do not smoke. Avoid contact with skin and eyes.

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

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

Incompatible products:

No information available, None known

Specific use(s):

Fungicide.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.

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

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection:

Wear suitable gloves. Nitrile rubber.

Eye/face protection

Face-shield.

Skin and body protection:

Wear suitable protective clothing.

Hygiene measures

When using, do not eat, drink or smoke. Wash hands before stopping and immediately after handling. Remove and wash contaminated clothing before re-use.

Exposure limit values

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

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Physical State: Solid
 Color: Light brown
 Odor: None

Important Health Safety and Environmental Information

Boiling point/range: Not applicable
 Melting point/range: Not applicable
 Solubility: Miscible
 Vapour pressure: Not applicable
 Vapour density: Not applicable
 Explosive properties: Dust may form explosive mixture in air
 Flammability (solid, gas): Non-flammable

Other information

pH: 6.5

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
 Conditions to avoid: None known.
 Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours.
 Hazardous reactions: None reasonably foreseeable

11. TOXICOLOGICAL INFORMATION

Component information

Product information

LC50/inhalation/4h/rat = >4.67mg/l
 LD50/dermal/rat = >2000mg/kg
 LD50/oral/rat = >5000mg/kg

Local effects

Skin effects: May cause skin irritation in susceptible persons
 Eye effects: May cause eye irritation with susceptible persons
 Inhalation: No information available.
 Ingestion: No information available.

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:	LC50/96h/rainbow trout = 1.1mg/l 2.4mg/l 1.8ug/l. LC50/96h/bluegill sunfish = 1.1mg/l 2.4mg/l 1.8ug/l. EC50/48h/daphnia = 1.1mg/l 2.4mg/l 1.8ug/l.
Ecotoxicity	No ecological information is known on the product
Persistence and degradability	No persistent or cumulative effects were observed
Bioaccumulative potential	Does not bioaccumulate
Mobility in soil	No information available

Component information

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.
Contaminated packaging:	Do not re-use empty containers. In accordance with local and national regulations.

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
ADR - Tunnel Restriction Codes	E

IATA

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

IMO / IMDG

UN-No:	3077
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14. TRANSPORT INFORMATION

Proper shipping name:	Environmentally Hazardous Substance Solid
Description:	N.O.S.(Azoxystrobin)
Hazard Class:	Marine Pollutant
Packing group:	9
EmS:	III
	F-A / S-F

15. REGULATORY INFORMATION**Indication of danger:**

N - Dangerous for the environment.

The product is classified and labelled in accordance with Directive 1999/45/EC.

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

In accordance with local and national regulations

GefStoffV (DE): Not applicable

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

Revision date: 04-Jul-2012

Prepared by: Regulatory Affairs Department.

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End of Safety Data Sheet