

# SAFETY DATA SHEET



**Product Name:** HERITAGE **Reference No:** 339  
**Version No.:** 1 **Revision Date:** N/A **Date of Introduction:** January 2003

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name** HERITAGE  
**Common name of active ingredient** AZOXYSTROBIN  
**Intended use** For use only as a Horticultural Fungicide.  
**Company Identification** **Scotts UK Professional**  
**The Scotts Company (UK) Limited**  
**Paper Mill Lane**  
**Bramford** Telephone +44 (0) 1483 830 492  
**Ipswich, Suffolk, IP8 4BZ**  
**Emergency Telephone** 01865 407333 (24hr)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**JBA No:** 019225  
**NPK:** N/A

**Chemical Characterisation** A systemic strobilurin fungicide.

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
AZOXYSTROBIN	131860-33-8	-	T, N, R23, R50/53.	50%

## 3. HAZARDS IDENTIFICATION

**Physicochemical:** NOT CLASSIFIED  
**Health:**  
**Eye contact** A moderate irritant to eyes.  
**Skin contact** Slightly irritant to skin.  
**Inhalation** Dust may be irritating to nose and throat.  
**Environmental:** EXTREMELY DANGEROUS TO FISH OR OTHER AQUATIC LIFE.  
Do not contaminate surface waters or ditches with chemical or used container.

## 4. FIRST AID MEASURES

**General information**  
**Inhalation** Remove patient from exposure, keep warm and at rest. Obtain medical attention if ill effects occur.  
**Skin contact** Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.  
**Eye contact** Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.  
**Ingestion** If swallowed seek medical advice immediately and show the container, label or this data sheet, if possible. Do not induce vomiting.

**5. FIRE FIGHTING MEASURES**

<b>General hazard</b>	Contain fire water run-off water with, for example, temporary earth barriers.
<b>Extinguishing media</b>	Foam, carbon dioxide (CO <sub>2</sub> ) dry powder or water fog extinguishant.
<b>Extinguishing media to avoid</b>	Strong water jet.
<b>Special exposure hazards</b>	The normal granular product does not produce dust clouds, however dust clouds of smaller particle size material will be flammable. See also Section 9. Fine particle dust clouds can produce violent dust explosions if ignited (ST 2). Keep fire exposed containers cool by spraying with water.
<b>Protective equipment</b>	Wear full protective clothing and self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and coveralls. See also Section 8.
<b>Clean up methods</b>	Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.
<b>Environmental considerations</b>	<b>EXTREMELY DANGEROUS TO FISH OR OTHER AQUATIC LIFE.</b> Do not contaminate surface waters or ditches with chemical or used containers. Spillages or uncontrolled discharges into water courses must be alerted to the appropriate regulatory body.

**7. HANDLING & STORAGE**

<b>Advice on safe handling</b>	Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
<b>Storage conditions</b>	Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Store away from seeds, fertilisers and composts. Protect from frost.
<b>Shelf life</b>	Physically and chemically stable for at least 2 years when stored in the original unopened sales containers at ambient temperatures.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure controls</b>	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls. LTEL (8 hour TWA): 2mg/m <sup>3</sup> Azoxystrobin Syngenta Standard. Not applicable to field use.
<b>Personal protection</b>	When using this product refer to the label for details. Where suitable engineering controls are not fitted or are inadequate, wear suitable protective equipment. When selecting personal protective equipment, users should consult their supplier to confirm that the equipment is suitable.  <b>In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below)</b>
<b>Eye protection</b>	Wear suitable eye/face protection conforming to EN166.
<b>Skin protection</b>	Wear suitable gloves, conforming to EN374. Suitable materials: nitrile rubber
<b>Respiratory protection</b>	Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Respiratory protective equipment should conform to the appropriate EN standard.
<b>Other protection</b>	Wear suitable protective clothing

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Physical form</b>	Free flowing granules.
<b>Colour</b>	Light brown.
<b>Odour</b>	No discernible odour.
<b>pH</b>	6.5 (1% suspension in purified water % at 25°C)
<b>Boiling pt / range</b>	Not available.
<b>Melting pt / range</b>	Not available.
<b>Flash point</b>	Does not flash.
<b>Autoignition temperature</b>	Not available
<b>Minimum Ignition</b>	3..10mJ
<b>Energy (dust cloud)</b>	
<b>Dust explosion (dust cloud)</b>	Class Group A dust
<b>Explosive properties</b>	Non explosive
<b>Density</b>	0.54g/cm <sup>3</sup>
<b>Viscosity</b>	Not applicable
<b>Solubility</b>	Miscible in/with water
<b>Oxidising properties</b>	Non-oxidising

**10. STABILITY & REACTIVITY**

<b>Stability</b>	Stable under normal use and storage conditions
<b>Conditions to avoid</b>	None known.
<b>Material to avoid</b>	None known.
<b>Hazardous reactions</b>	None known.
<b>Hazardous decomposition products</b>	Combustion or thermal decomposition will evolve toxic and irritant vapours
<b>Further information</b>	None.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity/irritation studies (finished product)**

<b>Ingestion</b>	Oral LD <sub>50</sub>	Rat	>5,000mg/kg	Low oral toxicity
<b>Dermal</b>	Dermal LD <sub>50</sub>	Rat	>2,000mg/kg	
<b>Inhalation</b>	Inhalation LC <sub>50</sub>	Rat	>4.67mg/l air - 4 hours	
<b>Eye contact</b>	Moderately irritating to rabbit eyes.			
<b>Skin contact</b>	Slightly irritating to rabbit skin.			
<b>Skin sensitisation</b>	Buehler: It is not a skin sensitiser in animal tests.			
<b>Long term exposure</b>	No long term risks to man are associated with this material when handled and used as directed on the label.			
<b>Further information</b>	Unlikely to cause harmful effects when handled and used as directed on the label.			

**12. ECOLOGICAL INFORMATION**

<b>Environmental fate and distribution</b>	Information applies to Azoxystrobin. The substance is sparingly soluble in water.		
<b>Bioaccumulative potential</b>	The substance has low to intermediate mobility in soil. Information applies to Azoxystrobin. The substance has low potential for bioaccumulation.		
<b>Persistence and degradation</b>	Information applies to Azoxystrobin. There is evidence of rapid degradation in soil. (Field Studies) There is evidence of photodegradation in water. There is no evidence of hydrolysis in water.		
<b>Ecotoxicity</b>			
<b>Toxicity to fish</b>	LC <sub>50</sub> 96 hours	1.1mg formulation/l	Rainbow trout
	LC <sub>50</sub> 96 hours	2.4mg formulation/l	Bluegill sunfish
<b>Toxicity to daphnia</b>	EC <sub>50</sub> 48 hours	1.8µg/l	<i>Daphnia magna</i>
<b>Toxicity to algae</b>	EbC <sub>50</sub> 72 hours	120µg/l	Green alga
	ErC <sub>50</sub> 72 hours	950µg/l	Green alga
<b>Further information</b>	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		

**13. DISPOSAL CONSIDERATIONS**

<b>Advice on disposal</b>	Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987. Empty containers should be washed and discarded. Empty containers should not be used for other purposes. Disposal should be in accordance with local, state or national legislation.
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**14. TRANSPORT INFORMATION**

<b>Road Transport ADR/RID</b>	
<b>UN No.</b>	UN3077
<b>Class-primary</b>	9 Miscellaneous Dangerous Goods
<b>UN Pack. Group</b>	III
<b>Proper Shipping Name</b>	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (AZOXYSTROBIN MIXTURE)
<b>Maritime Transport IMDG</b>	
<b>UN No.</b>	UN3077
<b>Class-primary</b>	9 Miscellaneous Dangerous Goods
<b>UN Pack. Group</b>	III
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains azoxystrobin 50%)
<b>Marine Pollutant</b>	Yes
<b>Air Transport ICAO/IATA</b>	
<b>UN/ID No.</b>	UN3077
<b>Class-primary</b>	9 Miscellaneous Dangerous Goods
<b>UN Pack. Group</b>	III
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains azoxystrobin 50%)

**15. REGULATORY INFORMATION****Classification & labelling** NOT CLASSIFIED

This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986.

Following the instructions on the pesticide product label for the specified uses should ensure that the product is used safely and efficaciously for those uses.

**Current registration no.** MAPP 11383**Risk phrases** NOT APPLICABLE

**Safety phrases / precautions (from the label)** EXTREMELY DANGEROUS TO FISH OR OTHER AQUATIC LIFE.  
Do not contaminate surface waters or ditches with chemical or used container.  
WASH HANDS before meals and after work.  
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.  
STORE IN ORIGINAL CONTAINER, tightly closed, in a safe place.

**16. OTHER INFORMATION**

**Further information** The Control of Substances Hazardous to Health Regulations (COSHH) may be applicable to the use of this product.

**Risk phrases referred to in section 2 for composite ingredients.**

R23: Toxic by inhalation

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

For further advice authorised persons (e.g. doctor) may contact the National Poisons Information Service Centre:

UK National number: 0870 600 6266

Eire (Dublin) 00 3531 8379964 or 00 3531 8379966

**Sources of data** EH40/2002 and other suppliers' safety data sheets

**Date of issue** January 2003

**The information on this sheet is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product.**

**It is not applicable to unusual or non standard uses of the product nor where instructions or recommendations are not followed.**