

EC' Safety Data Sheet

'HERITAGE'
Version: 8

Last change: 01/10/01

Date of issue: 01/10/01

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

Product name : 'HERITAGE' yf8287 A12704A
Company : Syngenta
 European Regional Centre
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description

A beta-methoxyacrylate fungicide.
 An extruded micronised granule.

Hazardous ingredients	CAS-No.	Hazard symbols	Risk Phrases	Concentration
Azoxystrobin (Classification according to Directive 67/548/EEC)	131860-33-8	T,N	R23-R50/53	500 g/kg

3. HAZARDS IDENTIFICATION

A moderate irritant to eyes. Slightly irritant to skin.
 Very toxic to aquatic organisms.

4. FIRST AID MEASURES

Eye contact : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

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.

Inhalation : Remove patient from exposure, keep warm and at rest. Obtain medical attention if ill effects occur.

Ingestion : If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

Medical advice

If the amount of chemical is judged to be less than a lethal dose, observe the patient and treat symptomatically. If gastric lavage is considered necessary, prevent aspiration of gastric material. Consider administration of activated charcoal and a laxative.

EC Safety Data Sheet

'HERITAGE'

Version: 8

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5. FIRE FIGHTING MEASURES

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.

Extinguishing media : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and coveralls.
See Also Section 8

Clean up methods : 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.

Spillages or uncontrolled discharges into water courses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE**HANDLING**

Safe handling advice

: Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

STORAGE

Safe storage advice : Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.

Storage Life

Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

EC Safety Data Sheet

'HERITAGE'

Version: 8

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection

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.

Respiratory protect. : 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.

Eye protection : Wear suitable eye/face protection conforming to EN 166

Hand protection : Wear suitable gloves conforming to EN 374

Suitable Materials: nitrile rubber

Body protection : Wear suitable protective clothing.

Occupational exposure limits

Hazardous ingredient : Azoxystrobin Syngenta Standard
8 hr TWA 2 mg/m³

Not applicable to field use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : free flowing granules

Colour : light brown

Odour : no discernible odour

Boiling point : Not available.

Melting point : Not available.

Flash point : does not flash

Autoignition : Not available.

temperature

Minimum Ignition : 3 .. 10 mJ

Energy

(dust cloud)

Dust explosion : Class Group A dust.

(dust cloud)

Explosive properties : Non-explosive.

Vapour pressure : Not available.

Density : 0.54 g/cm³

Solubility : miscible in/with water

pH-value (quant.) : 6.5

: 1% suspension in purified water % at 25 °C

Partition coeff. : Not available.

Oxidizing properties : Non-oxidising

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10. STABILITY AND REACTIVITY

Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY (LETHAL DOSES)**

LD50 Oral rat : > 5000 mg/kg

Low oral toxicity.

LD50 Dermal rat : > 2000 mg/kg

LC50 Inhalation rat : > 4.67 mg/l 4 hours

Unlikely to cause harmful effects when handled and used as directed on the label.

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Eye Irritation : Moderate irritant to rabbit eyes.

Skin Irritation : Slight irritant to rabbit skin.

Skin Sensitisation - Buehler : It is not a skin sensitiser in animal tests.

CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE

Long Term Exposure : No long term risks to man are associated with this material when handled and used as directed on the label.

12. ECOLOGICAL INFORMATION**ENVIRONMENTAL FATE AND DISTRIBUTION**

Inform. applies to : Azoxystrobin
The substance is sparingly soluble in water.
The substance has low to intermediate mobility in soil.

BIOACCUMULATIVE POTENTIAL

Inform. applies to : Azoxystrobin
The substance has low potential for bioaccumulation.

EC Safety Data Sheet

'HERITAGE'

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PERSISTENCE AND DEGRADATION

Inform. 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.

ECOTOXICITY

Toxicity to fish : LC50 96 hours Rainbow trout
 : 1.1 mg formulation/l
 : LC50 96 hours Bluegill sunfish
 : 2.4 mg formulation/l

Toxicity to daphnia : EC50 48 hours Daphnia magna
 : 1.8 µg/l

Toxicity to algae : EbC50 72 hours green alga
 : 120 µg/l
 : ErC50 72 hours green alga
 : 950 µg/l

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

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION**Road transport ADR/RID**

UN No. : UN3077
 Class-primary : 9 Miscellaneous Dangerous Goods
 UN Pack. Group : III
 Proper shipping name : 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
 SOLID, N.O.S., (AZOXYSTROBIN MIXTURE)

Maritime transport IMDG

UN No. : UN3077
 Class-primary : 9 Miscellaneous Dangerous Goods
 UN Pack. Group : III
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
 N.O.S., (contains azoxystrobin 50%)
 Marine pollutant : Yes

EC Safety Data Sheet

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Air transport ICAO/IATA

UN/ID No.:	: UN3077
Class-primary	: 9 Miscellaneous Dangerous Goods
UN Pack. Group	: III
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains azoxystrobin 50%)

15. REGULATORY INFORMATION

Classification : **Not Classified as Dangerous for Supply/Use.**
 Special label : (S053) Do not re-use container, keep tightly closed in a safe place.
 (S054) See instructions for use supplied separately.
 (D01) Wash substances from skin or eyes immediately.

The safety phrases have been assigned by Syngenta.
 Users should ensure that they comply with any relevant local, state or national legislation.

16. OTHER INFORMATION

Use: : A broad spectrum fungicide.
 is the property of a Syngenta Group company.

Read the label before you buy: use pesticides safely.

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information on this sheet is not a specification, 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.

A vertical bar (|) in the left margin indicates an amendment from the previous version.