

Version 2 - This version replaces all previous versions.

Revision Date 09.08.2013

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name : HERITAGE MAXX

Design code : A13972A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use : Fungicide

1.3 Details of the supplier of the safety data sheet

Company Syngenta UK Limited

CPC4, Capital Park Fulbourn, Cambridge

CB21 5XE

Telephone : (01223) 883400 **Telefax** : (01223) 882195

Website : www.greencast.co.uk

1.4 Emergency telephone number

: +44 (0) 1484 538444

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008

Acute toxicity (Oral)

Acute aquatic toxicity

Chronic aquatic toxicity

Category 1

Category 1

H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn, Harmful

N, Dangerous for the environment

R22: Harmful if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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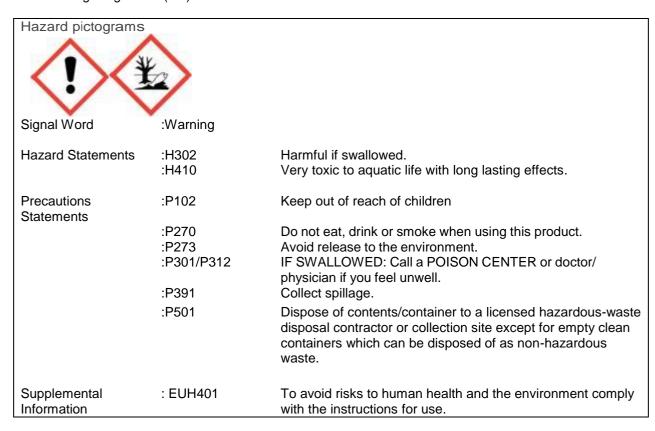


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2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

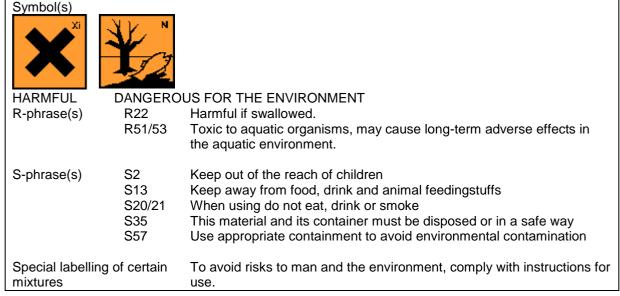


Hazardous components which must be listed on the label:

TETRAHYDROFURFURYLALCOHOL

Labelling: EU Directives 67/548/EEC or

1999/45/EC



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Hazardous components which must be listed on the label:

TETRAHYDROFURFURYLALCOHOL

2.3 Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration num- ber	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration
TETRAHYDRO FURFURYL ALCOHOL	97-99-4 202-625-6 05-2116078354-42-0000	Xn R22 R36	Acute Tox.4; H302 Eye Irrit.2; H319	60 - 80 % W/W
poly(oxy-1,2-eth anediyl),-[2,4,6-tris(1- phenylethyl)phenyl]- -hydroxy-	99734-09-5 70559-25-0	R52/53	Aquatic Chronic3; H412	10 - 15 % W/W
azoxystrobin	131860-33-8	T, N R23 R50/53	Acute Tox.3; H331 Aquatic Acute1; H400 Aquatic Chronic1; H410	8.8 % W/W
poly(oxy-1,2- ethanediyl), alpha- phosphono- omega- [2,4,6-tris(1- phenylethyl)phenoxy]	90093-37-1 114535-82-9 618-446-5	Xi R36	Eye Irrit.2; H319	1 - 5 % W/W

Substances for which there are Community workplace exposure limits.

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

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice : Have the product container, label or Material Safety Data Sheet with you

when calling the Syngenta emergency number, a poison control centre or

physician, or going for treatment.

Inhalation : Move the victim to fresh air. If breathing is irregular or stopped, administer

artificial respiration. Keep patient warm and at rest. Call a physician or

Poison Control Centre immediately.

Skin Contact : Take off all contaminated clothing immediately. Wash off immediately with

plenty of water. If skin irritation persists, call a physician. Wash

contaminated clothing before re-use.

Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least

15 minutes. Remove contact lenses. Immediate medical attention is

required.

Ingestion : If swallowed, seek medical advice immediately and show this container or

label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and

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delayed Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Medical advice : There is no specific antidote available.

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires

Use alcohol-resistant foam or water spray.

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

5.2 Special hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of

combustion (see section 10). Exposure to decomposition products may

be a hazard to health.

5.3 Advice for fire-fighters:

Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). If the product contaminates rivers and lakes or drains inform respective authorities.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8. Refer to disposal considerations listed in section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

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7.3 Specific end use(s)

Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	Exposure limit(s)	Type of exposure limit	Source
azoxystrobin	2 mg/m3	8 h TWA	SYNGENTA

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

8.2 Exposure controls

Engineering Measures Containment and/or segregation is the most reliable technical

> protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mist or vapours are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary,

seek additional occupational hygiene advice.

The use of technical measures should always have priority over the Protective measures

use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate

standards.

Respiratory protection No personal respiratory protective equipment normally required. A

particulate filter respirator may be necessary until effective technical

measures are installed.

Hand protection Chemical resistant gloves are not usually required. Select gloves

based on the physical job requirements.

Eye Protection Eye protection is not usually required. Follow any site specific eye

protection policies.

Skin and body protection

No special protective equipment required. Select skin and body

protection based on the physical job requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical

properties

Physical State Liquid Form liquid

Colour Light amber to amber Odour Faint aromatic **Odour Threshold** No data available

: 2 - 7 at 1 % w/v (as aqueous solution)

Melting point/range : No data available Boiling point/boiling range : No data available

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75 °C at 775 mm Hg Flash point **Evaporation rate** No data available Flammability (solid, gas) No data available Lower explosion limit No data available Upper explosion limit : No data available Vapour pressure : No data available Relative vapour density : No data available : 1.06 - 1.10 g/ml at 20 °C **Density**

Solubility in other solvents : No data available

Partition Coefficient : No data available

n-octanol/water

Autoignition temperature : 265 °C

Thermal decomposition : No data available Viscosity, dynamic : 42.1 mPa.s at 20°c 29.1 mPa.s at 40°C

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : Not oxidising

9.2 Other information

products

Surface tension : 40.3 mN/m at 20 °C

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity : No information available10.2 Chemical Stability : No information available

10.3 Possibility of hazardous reactions : None known. Hazardous polymerisation does not

occur.

10.4 Conditions to avoid : No information available10.5 Incompatible materials : No information available

10.6 Hazardous decomposition : Combustion or thermal decomposition will evolve

toxic and irritant vapours.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity : LD50 female rat, 1,714 mg/kg

Acute inhalational toxicity : LC50 male and female rat, > 6.4 mg/l , 4 h Acute dermal toxicity : LD50 male and female rat, > 5,000 mg/kg

Skin corrosion/irritation : rabbit: Slightly irritating
Serious eye damage/eye : rabbit: Moderately irritating

irritation

Respiratory or skin sensitisation: guinea pig: Not a skin sensitizer in animal tests.

Germ cell mutagenicity :

azoxystrobin Did not show mutagenic effects in animal experiments.

Carcinogenicity :

azoxystrobin Did not show carcinogenic effects in animal experiments.

Reproductive toxicity :

azoxystrobin Did not show reproductive toxicity effects in animal experiments.

STOT – repeated exposure

azoxystrobin No adverse effect has been observed in chronic toxicity tests.

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 Oncorhynchus mykiss (rainbow trout), 2.73 mg/l, 96h

Toxicity to aquatic

EC50 Daphnia magna (Water flea), 4.20 mg/l, 48h

invertebrates

Toxicity to aquatic plants

EbC50 Pseudokirchneriella subcapitata (green algae), 2.12 mg/l, 96 h ErC50 Pseudokirchneriella subcapitata (green algae), 12.02 mg/l, 96 h

12.2 Persistence and degradability

Biodegradability

: Not readily biodegradable. azoxystrobin

Stability in water

azoxystrobin

Degradation half-life: 214 d. The substance is stable in water.

Stability in soil

: Degradation half life: 80 d. Not persistent in soil. azoxystrobin

12.3 Bioaccumulative potential

azoxystrobin : Does not bioaccumulate.

12.4 Mobility in soil

: low to very high mobility in soil. azoxystrobin

12.5 Results of PBT and vPvB assessment

azoxystrobin This substance is not considered to be persistent, bioaccumulating

nor toxic (PBT).

This substance is not considered to be very persistent nor very

bioaccumulating (vPvB).

12.6 Other adverse effects

Other information Classification of the product is based on the summation of the

concentrations of classified components.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Do not contaminate ponds, waterways or ditches with

chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in

compliance with local regulations.

Contaminated packaging Empty remaining contents. Triple rinse containers. Empty

containers should be taken for local recycling or waste

disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1	UN Number	:	UN 3082
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
_			5 7 (0

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			LIQUID, N.O.S. (AZOXYSTROBIN)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	;	III
Label	S	:	9
14.5	Environmental hazards	:	Environmentally hazardous

Sea transport(IMDG)

14.1	UN Number	:	UN 3082
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
			LIQUID, N.O.S. (AZOXYSTROBIN)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	;	III
Label	S	:	9
14.5	Environmental hazards	:	Marine pollutant

Air transport (IATA-DGR)

14.1	UN Number	:	UN 3082
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
			LIQUID, N.O.S. (AZOXYSTROBIN)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	;	III
Label	S	:	9
14.6	Special precautions for	:	None
	user		

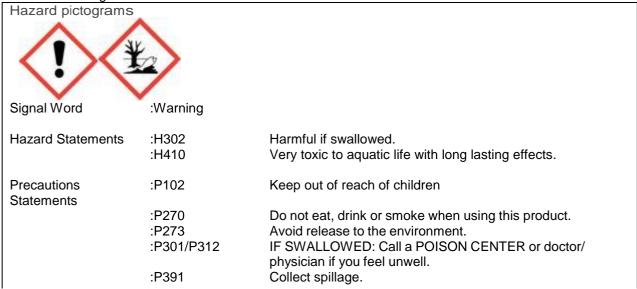
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

GHS-Labelling



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	:P501	Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Supplemental Information	: EUH401	To avoid risks to human health and the environment comply with the instructions for use.

Hazardous components which must be listed on the label:

TETRAHYDROFURFURYLALCOHOL

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16. OTHER INFORMATION

Approval number, MAPP 14787.

Use plant protection products safely. Always read the label and product information before use.

Based upon SDS release dated 09/08/2013, version 2 with local amendment.

Full text of R-phrases referred to under sections 2 and 3:

R22	Harmful if swallowed.
R23	Toxic by inhalation.
R36	Irritating to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic
	environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic
	environment.

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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