



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Tazer

Version 1 (UK)

Issuing date: 2011/09/30

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

1.1. Product identifier

Trade name : **Tazer**

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

Nufarm UK Limited
Wyke Lane
Wyke
Bradford
West Yorkshire BD12 9EJ
United Kingdom
Telephone: +44 (0)1274 691234
Telefax: +44 (0)1274 691176
E-mail address: infouk@uk.nufarm.com

1.4. Emergency telephone number

+44 (0)1274 696603

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

EEC/99/45 :	Xn	R20 - Harmful by inhalation.
	Xi	R36 - Irritating to eyes.
	N	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Pictogram:



Xn



N

- R20 - Harmful by inhalation.
 R36 - Irritating to eyes.
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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.
 S46 - If swallowed, seek medical advice immediately and show this container or label.
 S57 - Use appropriate container to avoid environmental contamination.

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : suspension concentrate (SC)
 Azoxystrobin 250 g/L

Components	CAS-No.	EINECS-No. ELINCS No.	REACH No.	Symbol(s) R-phrase(s)	Concentration (w/w)
Methyl (E)-2-((6-(2-cyanophenoxy)-4-pyrimidinyl)oxy)-alpha-(methoxymethylene)benzeneacetate	131860-33-8			T, N R23, R50/53	22.9 %
Propane-1,2-diol	57-55-6	200-338-0	01- 2119456809-23	n.c.	10% - 30%
Ethoxylated Alcohol	68439-49-6				9% - 30%

4. FIRST AID MEASURES

4.1. Description of first aid measures

- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
- Skin contact : Remove and wash contaminated clothing before re-use. Wash



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off with soap and plenty of water. Obtain medical attention.

Inhalation : Call for a physician. Move the victim to fresh air.

Ingestion : Do NOT induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂), Dry powder, Dry sand, Foam, Water spray

Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire fighting : In the event of fire (NO_x,CO_x,HCN) may be formed.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

Further Information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. (see Chapter 8)



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6.2. Environmental precautions

Do not contaminate water. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.

Additional advice : Never return spills in original containers for re-use.

6.4. Reference to other sections

see Chapter 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

7.3. Specific end uses

none

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Components with workplace control parameters

Components with workplace control parameters
(EH40/2005 Workplace exposure limits)

Components	CAS-No.	National occupational exposure limits	Note
Methyl (E)-2-((6-(2-cyanophenoxy)-4-pyrimidinyl)oxy)-alpha-(methoxymethylene)benzeneacetate	131860-33-8		no classification available
Propane-1,2-diol	57-55-6	474 mg/m ³	Vapour and particulates
Ethoxylated Alcohol	68439-49-6		no classification available



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8.2. Exposure controls

Personal protective equipment

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection : PVC disposable gloves
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Long sleeved clothing, Hard hat with brim
- Hygiene measures : When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing and gloves, including the inside, before re-use. General industrial hygiene practice. Wash hands before breaks and immediately after handling the product.
- Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

- Physical state : liquid
- Form : suspension concentrate (SC)
- Colour : off-white
- Odour : characteristic

Flash point : >100 °C

Density : 1.1355 g/cm³
at 20 °C

pH : 6.8
at (20 °C)

Partition coefficient: n-
octanol/water : log POW = 2.5
at 20 °C

(Azoxystrobin)

Viscosity, dynamic : 421.8 mPa.s



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at 20 °C

Surface tension : 44.2 mN/m

9.2. Other information

none

10. STABILITY AND REACTIVITY

10.1. Reactivity

no data available

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials to avoid

Strong acids and strong bases

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity : LD50 rat
Dose: > 5,000 mg/kg
Test substance: (Azoxystrobin)

Acute dermal toxicity : LD50 rat
Dose: > 2,000 mg/kg
Test substance: (Azoxystrobin)



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- Acute inhalation toxicity : LC50 rat
Dose: 0.7 mg/l
Test substance: (Azoxystrobin)
- Skin irritation : Result: No skin irritation
Test substance: (Azoxystrobin)
- Eye irritation : Result: No eye irritation
Test substance: (Azoxystrobin)
- Sensitisation : Result: Did not cause sensitization.
Test substance: (Azoxystrobin)

12. ECOLOGICAL INFORMATION

12.1. Toxicity

- Toxicity to bees : LD50 (contact) Bee
Test substance: (Azoxystrobin)
Value ($\mu\text{g}/\text{Species}$): > 200
- : LD50 (oral) Bee
Test substance: (Azoxystrobin)
Value ($\mu\text{g}/\text{Species}$): > 25
- Toxicity to birds : LD50 Toxicity to birds
Dose: > 1,000 mg/kg
Test substance: (Azoxystrobin)
- Toxicity to fish : LC50 *Oncorhynchus mykiss* (rainbow trout)
Dose: 0.47 mg/l
Testing period: 96 h
Test substance: (Azoxystrobin)
- Toxicity to algae : EC50 *Selenastrum capricornutum*
Dose: 0.36 mg/l
Exposure time: 96 h
Test substance: (Azoxystrobin)



12.2. Persistence and degradability

Stability in soil : DT50: 279 d
(Azoxystrobin)

12.3. Potential bioaccumulation

Bioaccumulation : Does not bioaccumulate.

12.4. Mobility in soil

Kfoc = 207 - 594 ml/g, 1/n=0.82 - 0.90 (Azoxystrobin)

12.5. Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Other adverse effects

none

13. DISPOSAL CONSIDERATIONS

According to European Directive 2000/532/EC as amended :

Waste Code : 02 01 08 (agrochemical waste containing dangerous substances)

13.1. Waste treatment methods

Product : Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.

Contaminated packaging : Dispose of as unused product. Do not re-use empty containers.

14. TRANSPORT INFORMATION

14.1. UN number

UN3082

14.2. Proper shipping name



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UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*(Azoxystrobin)

14.3. Transport hazard class(es)

IATA-DGR :
Class : 9

ADR/RID :
Class : 9

IMDG :
Class : 9

14.4. Packaging group

IATA-DGR : III

ADR/RID : III

IMDG : III

14.5. Environmental hazards

IMDG
Marine pollutant : MP

14.6. Special precautions for user

none

15. REGULATORY INFORMATION

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

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.

15.2. Chemical Safety Assessment

none



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16. OTHER INFORMATION

Print Date : 2011/09/30

The date format YYYY/MM/DD is used according to ISO 8601.
(Alterations are indicated in the left hand margin by: ||)

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

R23 - Toxic by inhalation.

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

n.c. - This chemical substance is not classified in the Annex VI of Regulation (EC) No 1272/2008.

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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.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.