



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**Tazer**

Version 1 (UK)

Issuing date: 2016/08/16

### 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

EG\_1272/08 : AquaticAcute1 H400 - Very toxic to aquatic life.  
AquaticChronic1 H410 - Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Pictogram:



GHS09

- H410 - Very toxic to aquatic life with long lasting effects.  
 EUH208 - Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.
- P391 - Collect spillage.  
 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.

### 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:

#### Azoxystrobin

CAS-No.: 131860-33-8  
 EINECS-No. / ELINCS No.:  
 REACH No.:  
 Concentration: 22.9 % (w/w)

#### Classification:

EG\_1272/08 : AcuteTox.3 H331 - Toxic if inhaled.  
 AquaticAcute1 H400 - Very toxic to aquatic life.  
 AquaticChronic1 H410 - Very toxic to aquatic life with long lasting effects.

#### Propane-1,2-diol

CAS-No.: 57-55-6  
 EINECS-No. / ELINCS No.: 200-338-0  
 REACH No.: 01-2119456809-23  
 Concentration: 10% - 30% (w/w)



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Classification:

EG\_1272/08 :

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

Alcohols, C16-18, ethoxylated

CAS-No.:

68439-49-6

EINECS-No. / ELINCS No.:

500-212-8

REACH No.:

Concentration:

5% - 10% (w/w)

Classification:

EG\_1272/08 :

AquaticAcute1

H400 - Very toxic to aquatic life.

## 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 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. Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label.

### 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. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>), Dry powder, Dry sand, Foam, Water spray
- Extinguishing media which : High volume water jet



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shall not be used for safety reasons

### 5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : In the event of fire (NO<sub>x</sub>, CO<sub>x</sub>, HCN) may be formed.

### 5.3. Advice for firefighters

Special protective equipment for firefighters : 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)

### 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.



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### 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.

Advice on common storage : Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

none

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

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

Components	CAS-No.	National occupational exposure limits	Note
Azoxystrobin	131860-33-8		no classification available
Propane-1,2-diol	57-55-6	474 mg/m <sup>3</sup>	Vapour and particulates, Long-term exposure limit
Alcohols, C16-18, ethoxylated	68439-49-6		no classification available

### 8.2. Exposure controls

#### Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection : PVC or nitrile-rubber 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 : >97 °C

Density : 1.1355 g/cm<sup>3</sup>  
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  
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: > 2,000 mg/kg
Acute dermal toxicity	:	LD50 rat Dose: > 2,000 mg/kg
Acute inhalation toxicity	:	LC50 rat Exposure time: 4 h Dose: > 6.32 mg/l
Skin irritation	:	rabbit Result: No skin irritation
Eye irritation	:	rabbit Result: No eye irritation
Sensitisation	:	Guinea-pig Result: Did not cause sensitization.

### 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Toxicity to bees	:	LD50 (contact) Bee Test substance: (Azoxystrobin) Dose ( $\mu\text{g}/\text{Species}$ ): > 200
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- Toxicity to bees : LD50 (oral) Bee  
Test substance: (Azoxystrobin)  
Dose ( $\mu\text{g}/\text{Species}$ ): > 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: 1.2 mg/l  
Testing period: 96 h
- LC50 *Cyprinus carpio* (Common carp)  
Dose: 2.8 mg/l  
Testing period: 96 h
- Toxicity to daphnia : EC50 *Daphnia magna* (Water flea)  
Dose: 0.83 mg/l  
Testing period: 48 h
- Toxicity to algae : ErC50 *Pseudokirchneriella subcapitata* (green algae)  
Dose: 2.2 mg/l  
Exposure time: 72 h
- EbC50 *Pseudokirchneriella subcapitata* (green algae)  
Dose: 0.71 mg/l  
Exposure time: 72 h

### 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).





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### 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 "Code of practice for using plant protection products". A DEFRA 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

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



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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

### 16. OTHER INFORMATION

Print Date : 2016/08/16

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



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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.