



# ZOXIS

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 19/03/2010

Revision date: 12/06/2014

Supersedes: 25/11/2013

Version: 6.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ZOXIS  
Product code : CA701275  
Synonyms : Azoxystrobin 250 g/L SC

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Pesticide  
Agriculture.  
Use of the substance/mixture : Fungicide

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

AGRIPHAR S.A.  
Rue de Renory, 26/1  
B-4102 Ougrée - Belgium  
T +32 (0)4 385 97 11 - F +32 (0)4 385 97 49  
[info@agriphar.com](mailto:info@agriphar.com) - <http://www.agriphar.com>

#### 1.4. Emergency telephone number

Emergency number : +32 (0)4 385 97 11 (8h - 16h35)  
112 (European Emergency Number)

Country	Organisation/Company	Address	Emergency number
BELGIUM	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B - 1120 Brussels	+32 70 245 245
Worldwide	WHO	<a href="http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/index.html">http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/index.html</a>	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

R43  
N; R50/53  
Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

# ZOXIS

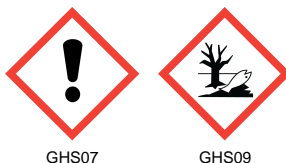
## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

- CLP Signal word : Warning
- Hazard statements (CLP) : H317 - May cause an allergic skin reaction  
H410 - Very toxic to aquatic life with long lasting effects
- Precautionary statements (CLP) : P261 - Avoid breathing vapours  
P280 - Wear eye protection, protective clothing, protective gloves, face shield  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P501 - Dispose of contents/container to National regulations  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
- EUH phrases : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
azoxystrobin (ISO), methyl (E)-2-{{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}}-3-methoxyacrylate	(CAS No)131860-33-8 (EC index no)607-256-00-8	21 - 24	T; R23 N; R50/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
azoxystrobin (ISO), methyl (E)-2-{{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}}-3-methoxyacrylate	(CAS No)131860-33-8 (EC index no)607-256-00-8	21 - 24	Acute Tox. 3 (Inhalation:dust,mist), H331 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. In all cases of doubt, or when symptoms persist, seek medical advice.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately get medical attention.

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

No additional information available

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Water fog.
- Unsuitable extinguishing media : High power water jet.

# ZOXIS

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

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

Fire hazard : Non-flammable.

### 5.3. Advice for firefighters

Precautionary measures fire : No naked lights. No smoking.  
Firefighting instructions : Evacuate and limit access. Use water spray jet to protect personnel and to cool endangered containers.  
Protection during firefighting : Wear full chemical protective clothing. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.  
Other information : Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : When leaks or spills occur, only properly protected personnel should remain in the area.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. In case of insufficient ventilation, wear suitable respiratory equipment.  
Emergency procedures : Evacuate area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Call in an expert. Eliminate every possible source of ignition.

#### 6.1.2. For emergency responders

Protective equipment : Wear a self-contained breathing apparatus and chemical protective clothing.

### 6.2. Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Prevent spreading in sewers. Impound and recover large spill by mixing it with inert granular solids.  
Methods for cleaning up : Collect spills and put it into appropriated container.  
Other information : Special danger of slipping by leaking/spilling product.

### 6.4. Reference to other sections

Exposure controls/personal protection. Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not allow to enter into surface water or drains.  
Handling temperature : at room temperature  
Hygiene measures : Do no eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground well. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.  
Storage conditions : Protect against direct sunlight.  
Incompatible products : Strong acid. Strong bases. Oxidizing agents, strong.  
Maximum storage period : 2 year(s)  
Storage area : Keep container tightly closed in a cool, well-ventilated place. Provide for retaining containers, eg. floor pan without outflow.  
Packaging materials : Keep only in the original container. Keep locked up.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

# ZOXIS

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 8.2. Exposure controls

Personal protective equipment : Gloves. Gas mask. Safety glasses.



Hand protection : Wear suitable gloves resistant to chemical penetration. NBR (Nitrile rubber). For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Face shield. Chemical goggles or safety glasses.

Skin and body protection : Skin protection appropriate to the conditions of use should be provided.

Respiratory protection : If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Environmental exposure controls : Notify authorities if product enters sewers or public waters.

Other information : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : viscous. opaque.

Colour : beige.

Odour : characteristic.

Odour threshold : No data available

pH : 7.28 (CIPAC MT 75.2)

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 97 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 1.1 g/ml (EEC A3)

Solubility : No data available

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : not explosive.

Oxidising properties : not oxidizing.

Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

When exposed to heat, may decompose liberating hazardous gases.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions. Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Protect against direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

# ZOXIS

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 10.5. Incompatible materials

Strong acid. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

ZOXIS	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

azoxystrobin (ISO), methyl (E)-2-{}{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}}-3-methoxyacrylate (131860-33-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0.7 mg/l/4h

Skin corrosion/irritation : Not classified  
pH: 7.28 (CIPAC MT 75.2)

Serious eye damage/irritation : Not classified  
pH: 7.28 (CIPAC MT 75.2)

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

ZOXIS	
LC50 fishes 1	1.2 mg/l (96h Oncorhynchus mykiss)
EC50 Daphnia 1	0.53 g/l (48h Daphnia magna)
ErC50 (algae)	2.7 mg/l (72h Pseudokirchneriella subcapitata)
ErC50 (other aquatic plants)	15.6 mg/l (Lemna)

azoxystrobin (ISO), methyl (E)-2-{}{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}}-3-methoxyacrylate (131860-33-8)	
LC50 fishes 1	0.47 mg/l (96h Oncorhynchus mykiss)
EC50 Daphnia 1	0.23 mg/l (48h Daphnia magna)
LC50 fish 2	1.1 mg/l (96h Lepomis macrochirus)
ErC50 (algae)	0.36 mg/l (72h Selenastrum capricornutum)
ErC50 (other aquatic plants)	> 6.4 mg/l (14d Lemna Gibba)

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

azoxystrobin (ISO), methyl (E)-2-{}{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}}-3-methoxyacrylate (131860-33-8)	
Log Pow	2.5 (20°C)
Bioaccumulative potential	There is no bioaccumulation.

### 12.4. Mobility in soil

azoxystrobin (ISO), methyl (E)-2-{}{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}}-3-methoxyacrylate (131860-33-8)	
Surface tension	71.8 mN/m (20°C ; 96.2% w/w)

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	:	Disposal must be done according to official regulations.
Waste treatment methods	:	Dispose of this material and its container to hazardous or special waste collection point.
Additional information	:	Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads). Notify authorities if product enters sewers or public waters.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR)	:	3082
UN-No. (IMDG)	:	3082
UN-No.(IATA)	:	3082
UN-No.(ADN)	:	3082
UN-No. (RID)	:	3082

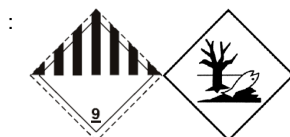
### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	:	Not applicable
Proper Shipping Name (IATA)	:	Not applicable
Proper Shipping Name (ADN)	:	Not applicable
Proper Shipping Name (RID)	:	Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	:	9
Hazard labels (ADR)	:	9



#### IMDG

Transport hazard class(es) (IMDG)	:	9
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#### IATA

Transport hazard class(es) (IATA)	:	9
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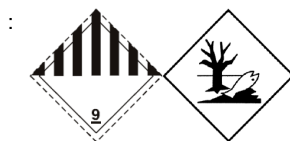
#### ADN

Transport hazard class(es) (ADN)	:	9
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### RID

Transport hazard class(es) (RID) : 9  
Danger labels (RID) : 9



### 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR) : M6  
Special provision (ADR) : 274, 335, 601  
Limited quantities (ADR) : 5L  
Excepted quantities (ADR) : E1  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Hazard identification number (Kemler No.) : 90  
Orange plates :



Tunnel restriction code : E

#### 14.6.2. Transport by sea

#### 14.6.3. Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y964  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 964  
PCA max net quantity (IATA) : 450L  
CAO packing instructions (IATA) : 964  
CAO max net quantity (IATA) : 450L

#### 14.6.4. Inland waterway transport

Not subjected to ADN : No

#### 14.6.5. Rail transport

Classification code (RID) : M6  
Carriage prohibited (RID) : No

### 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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

# ZOXIS

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Contains no REACH candidate substance

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

	Packing group (IMDG)	Removed	
	Class (ADN)	Added	
	UN-No.(ADN)	Added	
	Revision date	Modified	
	Supersedes	Modified	
	EmS-No. (Spillage)	Removed	
	EmS-No. (Fire)	Removed	
	CAO packing instructions (IATA)	Added	
	CAO max net quantity (IATA)	Added	
	Packing group (IATA)	Removed	
3	Composition/information on ingredients	Modified	
9.1	Oxidising properties	Added	
9.1	Explosive properties	Added	
9.1	Flash point	Modified	
11.1	LC50 inhalation rat (mg/l)	Removed	
12.1	LC50 fishes 1	Modified	
14.2	Proper Shipping Name	Modified	
14.6	Limited quantities (ADR)	Added	
14.6	LQ	Removed	
14.6	Instruction "passenger" - Limited quantities (ICAO)	Removed	

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Skin Sens. 1	Sensitisation — Skin, category 1
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R23	Toxic by inhalation
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*