

## AMISTAR TOP 325SC

Version 7.0      Revision Date: 07.01.2016      SDS Number: S1103051120      This version replaces all previous versions.

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

#### 1.1 Product identifier

Trade name : **AMISTAR TOP 325SC**

**Design code** : A13703G

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

Use of the Sub-stance/Mixture : Fungicide

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

**Company** : Syngenta Crop Protection AG  
Postfach  
CH-4002 Basel  
Switzerland

**Telephone** : +41 61 323 11 11

**Telefax** : +41 61 323 12 12

**E-mail address** : sds.ch@syngenta.com

#### 1.4 Emergency telephone number

**Emergency telephone number** : +44 1484 538444

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4      H332: Harmful if inhaled.

Skin sensitisation, Sub-category 1B      H317: May cause an allergic skin reaction.

Acute aquatic toxicity, Category 1      H400: Very toxic to aquatic life.

Chronic aquatic toxicity, Category 1      H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	 
Signal word	:	Warning
Hazard statements	:	H317      May cause an allergic skin reaction.

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Precautionary statements	H332	Harmful if inhaled.
	H410	Very toxic to aquatic life with long lasting effects.
	<b>Prevention:</b> P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
	P280	Wear protective gloves/ protective clothing.
	<b>Response:</b> P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.	
P391	Collect spillage.	
<b>Disposal:</b> P501	Dispose of contents/ container to an approved waste disposal plant.	

Hazardous components which must be listed on the label:

azoxystrobin

1,2-benzisothiazol-3(2H)-one

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
C16-18 alcohols, ethoxylated	68439-49-6 500-212-8 500-212-8	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 20 - < 30
azoxystrobin	131860-33-8	Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 10 - < 20
difenoconazole	119446-68-3	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 10 - < 20

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naphthalenesulfonic acid, dimethyl-, polymer with formaldehyde and methylnaphthalenesulfonic acid, sodium salt	Not Assigned	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 1 - < 3
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400	< 0.05

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- If inhaled : 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.
- In case of 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.
- In case of 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.
- If swallowed : 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 delayed

Symptoms : No information available.

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

Treatment : There is no specific antidote available.  
Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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

- Specific hazards during fire-fighting : 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 firefighters

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

### SECTION 6: Accidental release measures

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

- Personal precautions : Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

- Methods for 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).

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### 6.4 Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on 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

Requirements for storage areas and containers : 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.

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

### 7.3 Specific end use(s)

Specific use(s) : 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

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
azoxystrobin	131860-33-8	TWA	4 mg/m <sup>3</sup>	Syngenta
difenoconazole	119446-68-3	TWA	8 mg/m <sup>3</sup>	Syngenta

### 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 mists or vapors 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.

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- Eye protection : Eye protection is not usually required.  
Follow any site specific eye protection policies.
- Hand protection
- Material : Nitrile rubber
  - Break through time : > 480 min
  - Glove thickness : 0.5 mm
- Remarks : Chemical resistant gloves should be used. Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- Skin and body protection : Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material.  
Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.)  
Wear as appropriate:  
impervious protective suit
- Respiratory protection : A gas and vapor filter respirator may be necessary until effective technical measures are installed.  
Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.
- Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.  
When selecting personal protective equipment, seek appropriate professional advice.  
Personal protective equipment should be certified to appropriate standards.

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### SECTION 9: Physical and chemical properties

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

- Appearance : liquid
- Colour : light yellow to yellow
- Odour : weak
- pH : 5 - 9, Concentration: 1 % w/v

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7.5 - 8.5, Concentration: 100 % w/v (20 °C)

Flash point : > 100 °C  
(1007 hPa)

Density : 1.11 g/cm<sup>3</sup> (20 °C)

Auto-ignition temperature : 505 °C

Viscosity  
Viscosity, dynamic : 169 - 646 mPa.s (20 °C)

98.0 - 472 mPa.s (40 °C)

Explosive properties : Classification Code: Not explosive

Oxidizing properties : not oxidizing

### 9.2 Other information

Surface tension : 27.9 mN/m, 20 °C

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See section 10.3 "Possibility of hazardous reactions".

### 10.2 Chemical stability

The product is stable when used in normal conditions

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazardous reactions by normal handling and storage according to provisions.

### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

### 10.5 Incompatible materials

Materials to avoid : No substances are known which lead to the formation of hazardous substances or thermal reactions.

### 10.6 Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic and irritant vapors.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### **Product:**

- Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat, male and female): 2.06 - < 5.17 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

###### **Components:**

###### **azoxystrobin:**

- Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat, female): 0.7 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist
- LC50 (Rat, male): 0.9 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

###### **difenoconazole:**

- Acute oral toxicity : LD50 (Rat, male and female): 1,453 mg/kg
- Acute inhalation toxicity : LC50 (Rat, male and female): > 3,300 mg/m3  
Exposure time: 4 h
- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,010 mg/kg

###### **naphthalenesulfonic acid, dimethyl-, polymer with formaldehyde and methylnaphthalenesulfonic acid, sodium salt:**

- Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

###### **1,2-benzisothiazol-3(2H)-one:**

- Acute oral toxicity : Acute toxicity estimate: 500 mg/kg  
Method: Converted acute toxicity point estimate

Assessment: The component/mixture is moderately toxic after

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single ingestion.

### Skin corrosion/irritation

#### **Product:**

Species: Rabbit  
Result: No skin irritation

#### **Components:**

##### **azoxystrobin:**

Species: Rabbit  
Result: No skin irritation

##### **difenoconazole:**

Species: Rabbit  
Result: Slightly irritating

##### **naphthalenesulfonic acid, dimethyl-, polymer with formaldehyde and methylnaphthalenesulfonic acid, sodium salt:**

Species: Rabbit  
Result: irritating

##### **1,2-benzisothiazol-3(2H)-one:**

Result: irritating

### Serious eye damage/eye irritation

#### **Product:**

Species: Rabbit  
Result: No eye irritation

#### **Components:**

##### **azoxystrobin:**

Species: Rabbit  
Result: No eye irritation

##### **difenoconazole:**

Species: Rabbit  
Result: Moderately irritating

##### **naphthalenesulfonic acid, dimethyl-, polymer with formaldehyde and methylnaphthalenesulfonic acid, sodium salt:**

Species: Rabbit  
Result: irritating

##### **1,2-benzisothiazol-3(2H)-one:**

Result: Irreversible effects on the eye

### Respiratory or skin sensitisation

#### **Product:**

Test Type: Buehler Test  
Species: Guinea pig

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Result: The product is a skin sensitiser, sub-category 1B.

### **Components:**

#### **azoxystrobin:**

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

#### **difenoconazole:**

Species: Guinea pig

Result: Not a skin sensitizer in animal tests.

#### **1,2-benzisothiazol-3(2H)-one:**

Method: Based on Human Evidence

Result: May cause sensitisation by skin contact.

### **Germ cell mutagenicity**

#### **Components:**

#### **azoxystrobin:**

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

#### **difenoconazole:**

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

### **Carcinogenicity**

#### **Components:**

#### **azoxystrobin:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

#### **difenoconazole:**

Carcinogenicity - Assessment : This substance has been reported to cause tumours in certain animal species., There is no evidence that these findings are relevant to humans.

### **Reproductive toxicity**

#### **Components:**

#### **azoxystrobin:**

Reproductive toxicity - Assessment : No toxicity to reproduction

#### **difenoconazole:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### **Repeated dose toxicity**

#### **Components:**

#### **azoxystrobin:**

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Remarks: No adverse effect has been observed in chronic toxicity tests.

**difenoconazole:**

Remarks: No adverse effect has been observed in chronic toxicity tests.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.7 mg/l  
Exposure time: 96 h  
  
LC50 (Cyprinus carpio (Carp)): 4.2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.1 mg/l  
Exposure time: 48 h

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 3.9 mg/l  
Exposure time: 96 h  
  
NOErC (Pseudokirchneriella subcapitata (green algae)): 0.23 mg/l  
Exposure time: 96 h

Ecotoxicology Assessment  
Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

**Components:**

**azoxystrobin:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.47 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.28 mg/l  
Exposure time: 48 h  
  
EC50 (Americamysis bahia (Mysid shrimp)): 0.055 mg/l  
Exposure time: 96 h

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 2 mg/l  
Exposure time: 96 h  
  
NOErC (Pseudokirchneriella subcapitata (green algae)): 0.038 mg/l  
Exposure time: 96 h  
  
ErC50 (Navicula pelliculosa (Freshwater diatom)): 0.301 mg/l  
Exposure time: 96 h

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- M-Factor (Acute aquatic toxicity) : 10
- Toxicity to bacteria : IC50 (*Pseudomonas putida*): > 3.2 mg/l  
Exposure time: 6 h
- Toxicity to fish (Chronic toxicity) : NOEC: 0.16 mg/l  
Exposure time: 28 d  
Species: *Oncorhynchus mykiss* (rainbow trout)
- NOEC: 0.147 mg/l  
Exposure time: 33 d  
Species: *Pimephales promelas* (fathead minnow)
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.044 mg/l  
Exposure time: 21 d  
Species: *Daphnia magna* (Water flea)
- NOEC: 0.0095 mg/l  
Exposure time: 28 d  
Species: *Americamysis bahia* (Mysid shrimp)
- M-Factor (Chronic aquatic toxicity) : 10
- difenoconazole:**
- Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 1.1 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0.77 mg/l  
Exposure time: 48 h
- EC50 (*Americamysis bahia* (Mysid shrimp)): 0.15 mg/l  
Exposure time: 96 h
- Toxicity to algae : EC50 (*Navicula pelliculosa* (Freshwater diatom)): 0.091 mg/l  
Exposure time: 72 h
- NOEC (*Navicula pelliculosa* (Freshwater diatom)): 0.053 mg/l  
Exposure time: 72 h
- NOEC (*Desmodesmus subspicatus* (green algae)): 0.0086 mg/l  
Exposure time: 72 h
- M-Factor (Acute aquatic toxicity) : 10
- Toxicity to bacteria : EC50 (activated sewage sludge): > 100 mg/l  
Exposure time: 3 h
- Toxicity to fish (Chronic toxicity) : NOEC: 0.0076 mg/l  
Exposure time: 34 d  
Species: *Pimephales promelas* (fathead minnow)

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.0056 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

NOEC: 0.0046 mg/l  
Exposure time: 28 d  
Species: Americamysis

M-Factor (Chronic aquatic toxicity) : 10

### 1,2-benzisothiazol-3(2H)-one:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

## 12.2 Persistence and degradability

### Components:

#### **azoxystrobin:**

Biodegradability : Result: Not readily biodegradable.

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

#### **difenoconazole:**

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 1 d  
Remarks: Not persistent in water.

## 12.3 Bioaccumulative potential

### Components:

#### **azoxystrobin:**

Bioaccumulation : Remarks: Does not bioaccumulate.

#### **difenoconazole:**

Bioaccumulation : Remarks: Difenoconazole has high potential to bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 4.4 (25 °C)

## 12.4 Mobility in soil

### Components:

#### **azoxystrobin:**

Distribution among environmental compartments : Remarks: Azoxystrobin has low to very high mobility in soil.

Stability in soil : Remarks: Not persistent in soil.

#### **difenoconazole:**

Distribution among environ- : Remarks: Low mobility in soil.

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mental compartments

Stability in soil : Remarks: Not persistent in soil.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### Components:

##### **azoxystrobin:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

##### **difenoconazole:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

### 12.6 Other adverse effects

#### Product:

Additional ecological information : Remarks: Acute aquatic toxicity  
Chronic aquatic toxicity  
Classification of the product is based on the summation of the concentrations of classified components.

#### Components:

##### **azoxystrobin:**

Additional ecological information : Remarks: No data available

##### **difenoconazole:**

Additional ecological information : Remarks: No data available

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## 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

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local regulations.

Contaminated packaging : Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste handling site for recycling or 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, LIQUID, N.O.S. (AZOXYSTROBIN AND DIFENOCONAZOLE)  
**14.3 Transport hazard class(es):** 9  
**14.4 Packing group:** III  
Labels: 9  
**14.5 Environmental hazards :** Environmentally hazardous  
**Tunnel restriction code:** E

#### Sea transport(IMDG)

**14.1 UN number:** UN 3082  
**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN AND DIFENOCONAZOLE)  
**14.3 Transport hazard class(es):** 9  
**14.4 Packing group:** III  
Labels: 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 AND DIFENOCONAZOLE)  
**14.3 Transport hazard class(es):** 9  
**14.4 Packing group:** III  
Labels: 9

#### 14.6 Special precautions for user

none

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

Not applicable

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### SECTION 15: Regulatory information

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

Other regulations : Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

### SECTION 16: Other information

#### Full text of H-Statements

H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
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.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Acute aquatic toxicity  
Aquatic Chronic : Chronic aquatic toxicity  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not

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Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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