

CLAYTON PLANT PROTECTION

AZOFIN PLUS Safety Data Sheet according to Regulation (EC) No. 1272/2008 and Regulation (EU) No. 830/2015. Version 1/dsc 26/03/2019. This version replaces all previous versions.

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

1.1 Product identifier

Trade name **AZOFIN PLUS**

1.2 Relevant identified uses of the substance or mixture and uses advised against Fungicide for agricultural crops. Any other use is not recommended.

1.3 Details of the supplier of the safety data sheet

Clayton Plant Protection (UK) Ltd., Bracetown Business Park, Clonee, Dublin15. Ireland.
Tel: (00 353) 1 8210127 www.claytonpp.com Email: info@claytonpp.com

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification according to Regulation (EC) N° 1272/2008 (CLP)

Hazard Classes-and-Categories - Hazard Statements (H-Statements):

Toxicity— Acute Toxicity Category 4 (Acute Tox. 4) - H332 Hazardous to the aquatic environment — Acute Hazard Category 1 (Aquatic Acute 1) - H400 Hazardous to the aquatic environment — Chronic Hazard Category 2 (Aquatic Chronic 2) - H411

Signal Word: **WARNING**

Precautionary Statements (P-Statements):

P101 - P102 - P261 - P271 - P304+P340 - P312 - P391 - P501

Special rules for plant protection products:

According to Regulation (EC) N° 1272/2008 (CLP): EUH208 - EUH401 According to Regulation (UE) N° 547/2011: SP1 - Spe3

Physical and chemical hazards:

The product is not flammable. In case of fire it may develop toxic and irritating fumes.

Health adverse effects:

The product is harmful in case of inhalation.

Environmental adverse effects:

Very toxic for aquatic organisms. May cause long term negative effects on the aquatic environment.

For the full text of Hazard Statements (H-Statements) and Precautionary Statements (P-Statements), see section 16.

2.2 Label elements

Hazard Pictograms		GHS07	GHS09
Signal word	WARNING		

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Hazard Statement:	H332: H410:	Harmful if inhaled. Very toxic to aquatic life with long lasting effects.
Precautionary Statement (Prevention):	P101: P102: P261: P271:	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing dust/fumes/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
Precautionary Statement (Reaction):	P304+P340: P312: P391:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. Collect spillage.
Precautionary Statement (Storage):	-	-
Precautionary Statement (Disposal):	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 Hazard Information		
Regulation (CE) N° 1272/2008	EUH401:	To avoid risks to human health and the environment, comply with the instructions for use.
	EUH208:	Contains 1,2-benzisothiazol-3-one. May produce an allergic reaction.
Regulation (EU) N° 547/2011	SP1:	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).
	Spe3:	To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

2.3 Other hazards

AZOFIN PLUS is not considered to be either persistent, bioaccumulative and toxic (**PBT**) or very persistent and very bioaccumulative (**vPvB**) because of active ingredient (Azoxystrobin) and the other components with concentrations greater than 0.1% in the product classified **not PBT nor not vPvB**. In case of fire it may develop toxic and irritating fumes.

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Section 3. COMPOSITION/INFORMATIONS ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Name	Number	Index Number	Number	Registration Number	Classification	Concentration (% p/p)
Azoxystrobin	131860-33-8	607-256-00-8	-	Not available	  Acute Tox 3 (Inhalation) H331 - Aquatic Acute 1 H400 - Aquatic Chronic 1 H410 DANGER	20,0 ÷ 30,0
Alcohols, C16-18, ethoxylated [1]	68439-49-6	-	-	Not available	Acute H302 Irrit. 2 Aquatic   Tox. 4 - Eye H319 - Acute 1 H400 WARNING	10,0 ÷ 21,0
Sulfonate d aromatic polymer, sodium salt [2]	-	-	-	-	 Eye Irrit. 2 H319 WARNING	1,0 ÷ 3,0
1,2-benzisothiazol-3(2H)-one [3]	2634-33-5	613-088-00-6	220-120-9	Not available	   Acute Tox. 4 H302 - Skin Irrit. 2 H315 - Skin Sens. 1 H317 - Eye dam. 1 H318 - Aquatic Acute 1 H400 DANGER	0,005 ÷ 0,02

CAS

EC

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- [1] Dangerous component of "*Wetting Agent*" component, with concentration in AZOFIN PLUS in range 15÷25% p/p.
- [2] Dangerous component of "*Surfactant*" component, with concentration in AZOFIN PLUS in range 1÷5% p/p.
- [3] Dangerous component of "*Preservative*" component, with concentration in AZOFIN PLUS in range 1÷3% p/p.

For the full text of Hazard Statements (H-Statements) and Hazard Class-and-Categories, see section 16.

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

In general	If medical advice is needed, have product container, label or SDS at hand. If the subject is not conscious or presents with convulsions, do not administer liquids and do NOT induce vomiting. Check that the respiratory tract is not obstructed and position the victim on the side with head lower than the body. Always wash clothing before reusing. If the subject feels unwell, get medical attention immediately.
After Inhalation	Remove the affected person from the contaminated area and transport to a well ventilated area. Keep the person warm and at rest in a position comfortable to breath. If breathing has stopped perform artificial respiration preferably mouth-to-mouth. Immediately call a POISON CENTER or doctor/physician.
After eye contact	Remove contact lenses (if present and easy to do) and rinse with plenty of water (at least 10÷15 minutes), holding the eyelids wide open in order to remove completely any traces of the product. If symptoms of eyes irritation appear, seek medical attention, preferably an ophthalmologist.
After skin (or hair) contact	Immediately remove all contaminated clothing, gently remove any traces of product remaining on the body and wash exposed parts with large amounts of water. If skin irritation or rash occurs, seek medical attention.
After Ingestion	Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

4.2 *Most important symptoms and effects, both acute and delayed* No information available.

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

No specific antidote. Treatment for exposure must be directed to control the symptoms and the patient's clinical conditions.

Section 5. FIRE-FIGHTING MEASURES

The product is combustible. Even when exposed to flame or heat, the product presents a low fire risk.

5.1 Extinguishing media

Extinguishing means Carbon dioxide, chemical powder, atomized water or foam (alcohol-resistant foam).

Unsuitable extinguishing means

Atomized water may be used for cooling packages not directly affected by the flames, but water must not come into direct contact with the product so as to prevent environmental pollution.

5.2 Special hazards arising from the substance or mixture

In the event of fire the product, besides carbon dioxide [CO₂] and carbon monoxide [CO], may develop toxic and irritating gases.

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5.3 Advice for fire-fighters

Remove all people not essential to fire fighting operations. Isolate the area. Put out the fire remaining at a safe distance. In case of large fires (particularly in confined spaces), use self contained breathing apparatus and full protective clothing. Do not use a direct water jet but atomized water; for small fires use foam, chemical powder or CO₂ portable extinguishers. Cool containers until not directed involved by flames until the fire is completely put out, avoiding contact between water and product in such a way to prevent environmental pollution; then continue to cool them even when risk of re-ignition has passed.

Allow only well trained personnel properly informed on the product's hazards to intervene. Avoid contact with the product while putting out the fire. If possible, remove containers exposed to heat, without creating additional risks, otherwise cool them down with water. If possible, separate water used for putting out the fire.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment (P.P.E.). For further information, refer to point 8 "*Exposure control/individual protection*". In the event of fire or accidental release, keep untrained persons not involved in handling the emergency away and upwind.

6.2 Environmental precautions

Stem accidental leaking to keep the product from entering water or sewerage system. Notify the competent authorities if losses have flowed into a body of water or into sewerage system.

6.3 Methods and material for containment and cleaning up

Take up with sand/absorbent materials (for example sand, ground, vermiculite) and place in appropriate containers adequately labelled and suitable for subsequent disposal. In case of large scale-losses, circumscribe the area and gather the materials with a suitable industrial vacuum. Consult the manufacturer. Dispose of the materials or the solid residue in an authorised disposal centre. In the event of fire or accidental release, keep untrained persons not involved in handling the emergency away and upwind. In case of fire, circumscribe the area to avoid accidental leaking of the product and use as little water as possible. Collect fire- fighting water; if water runs into an outflow system, notify the authorities.

6.4 Reference to other sections Refer to sections 8 and 13.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use, obtain special instructions and do not handle product until all safety precautions have been read and understood.

Adopt standard personal hygiene measures.

Do not eat or keep food in working area. After handling, wash hands and exposed parts before eating, drinking or smoking and after work. Avoid all contact with the product. Avoid inhaling vapours or aerosol. Use only outdoors or in presence of adequate ventilation.

Ensure that there are efficient emergency eyewash facilities and showers in proximity.

7.2 Conditions for safe storage, including any incompatibilities

Storage of the product must comply with the provisions of current local regulations.

Keep the product tightly closed in its original containers in a cool, dry, well ventilated area. Avoid direct exposition to sunlight.

Keep out of the reach of children.

Keep away from food, beverages, animal foodstuff, drugs, cosmetics, fertilisers and water. Keep away from substances with which could react (see next section 10.).

7.3 Specific end uses

Any usage not indicated at point 1.2 is ill advised.

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Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	Type of exposure limit	Exposure limit	Source	Remarks
Azoxystrobin (CAS Number: 131860-33-8)	TLV-TWA	4 mg/m³	Data taken from similar formulations	No occupational exposure limit values to Azoxystrobin (active ingredient) established in implementation of Council Directive 98/24/EC.

8.2 Exposure controls

The use of technical measures should always have priority over the use of personal protective equipment. Ensure good ventilation of work site to ensure airborne contaminant concentrations below any relevant occupational exposure limits. Provide suitable air ventilation in case of risk of emissions in air. Observe normal industrial hygiene standards. Do not eat, drink or smoke while handling the product. Wash hands before breaks.

Respiratory protection No personal respiratory protective equipment are normally required. In case of presence of vapours or insufficient ventilation, use masks with combined filters (A-P). Refer to the following CEN standards for the masks:



- EN 136 "Respiratory protective devices — Full face masks — Requirements, testing, marking",
- EN 140 "Respiratory protective devices — Half masks and quarter masks — Requirements, testing, marking",
- EN 405 "Respiratory protective devices — Valved filtering half masks to protect against gases or gases and particles — Requirements, testing, marking",

and to the following for the filters (type A-P):

- EN 143 "Respiratory protective devices — Particle filters — Requirements, testing, marking";
- EN 14387:2004 "Respiratory protective devices — Gas filter(s) and combined filter(s) - Requirements, testing, marking.

In case of emergency, use a self-contained breathing apparatus.

Hand protection Chemical resistant gloves are not usually required. Select gloves on the basis of jobs requirements.

Eyes protection Full protection safety goggles are not usually required.

Skin protection No special protective equipment are required. Select skin and body protection on the basis of jobs requirements.

Control of environment exposure Avoid any undesired release in the environment.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Liquid

Form

Suspension

Colour

Off-white to yellow orange

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Odour	Odourless
Odour threshold	Data not available
pH	6÷8 (concentration 1 % w/v)
Melting point / freezing point	Data not available
Boiling point / boiling range	Data not available
Flash point	> 97°C at 97.5 kPa (method: Pensky-Martens closed cup)
Evaporation rate	Data not available
Flammability	Data not available
Upper / lower flammability or explosivity limits Vapour pressure	Data not available
Vapour density	Data not available
Relative density	1,1 g/ml (25°C)
Water solubility	Data not available
n-octanol/water coefficient	Data not available
Autoignition temperature	475°C (data taken from similar formulations)
Decomposition temperature	Data not available
Viscosity, dynamic	76÷427 mPa·s at 40°C (data taken from similar formulations) 117÷541 mPa·s at 20°C (data taken from similar formulations)
Explosives properties	Not explosive
Oxidizing properties	Not oxidising

9.2 Other information No data available.

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions under normal use conditions.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions under recommended storage and normal use conditions.

10.4 Conditions to avoid

No decomposition if used as recommended.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Besides carbon dioxide (CO₂) and carbon monoxide [CO], in the event of fire the product may develop toxic and irritating gases.

Section 11. TOXICOLOGICAL INFORMATION

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This section is reserved to the medical personnel, to health and safety professionals and to toxicologists. In the following, available toxicological data for active ingredient (Azoxystrobin) and the others components are shown. Toxicological data mentioned in section 11.1 of Regulation N° 830/2015, if not shown in the following, these data have to be considered as "not available".

11.1 Information on toxicological effects

Acute Toxicity

AZOFIN PLUS

The product has no acute oral and dermal toxicity. The product is harmful if inhaled [information from similar formulations].

Acute oral toxicity LD₅₀ (Rat, male and female): > 2.000 mg/kg
[Toxicological data from similar formulations]

Acute inhalation toxicity Acute toxicity estimate: 2,69 mg/l
Exposure time: 4h - Test atmosphere: dust/mist - Method: Calculation
[Toxicological data from similar formulations]

Acute dermal toxicity LD₅₀ (Rat, male and female): > 2.000 mg/kg
[Toxicological data from similar formulations]

AZOXYSTROBIN (active ingredient) - CAS Number: 131860-33-8

Acute oral toxicity LD₅₀ (Rats and mice, male and female): > 5.000 mg/kg Acute inhalation toxicity No data available.

Acute dermal toxicity LD₅₀ (Rat, male and female): > 2.000 mg/kg

ALCOHOLS, C16-C18, ethoxylated - CAS Number: 68439-49-6

Acute oral toxicity Acute toxicity estimate: 1.000 mg/kg
Method: Calculation

SULFONATE AROMATIC POLYMER, SODIUM SALT

Acute oral toxicity LD₅₀ (Rat): > 5.000 mg/kg

1,2-BENZISOTHIAZOL-3(2H)-ONE (preservative) - CAS Number: 2634-33-5

Acute oral toxicity LD₅₀ (Rat, male): 2,175 mg/kg
LD₅₀ (Rat, female): 1,221 mg/kg

Acute dermal toxicity LD₅₀ (Rabbit): believed to be > 2.000 mg/kg

Skin corrosion / irritation

AZOFIN PLUS

No skin irritation (rabbit) [Toxicological data from similar formulations].

AZOXYSTROBIN (active ingredient) - CAS Number: 131860-33-8

Slight skin irritation (rabbits).

1,2-BENZISOTHIAZOL-3(2H)-ONE (preservative) - CAS Number: 2634-33-5 The material is suspected to be corrosive.

Serious eye damage / eye irritation

AZOFIN PLUS

No eye irritation (rabbit) [Toxicological data from similar formulations].

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AZOXYSTROBIN (active ingredient) - CAS Number: 131860-33-8

Slight eye irritation (rabbits).

SULFONATE AROMATIC POLYMER, SODIUM SALT

Irritating to eyes.

1,2-BENZISOTHIAZOL-3(2H)-ONE (preservative) - CAS Number: 2634-33-5 Corrosive

to eyes.

Respiratory or skin sensitization

AZOFIN PLUS

Did not cause sensitization on laboratory animals (Guinea pig) [Information from similar formulations].

AZOXYSTROBIN (active ingredient) - CAS Number: 131860-33-8 Did

not cause sensitization on laboratory animals (Guinea pigs).

1,2-BENZISOTHIAZOL-3(2H)-ONE (preservative) - CAS Number: 2634-33-5 May

cause allergic skin sensitization in some individuals.

Germ cell mutagenicity

AZOFIN PLUS

Animal testing has not shown any mutagenic effects [Information from similar formulations].

AZOXYSTROBIN (active ingredient) - CAS Number: 131860-33-8 No

data available.

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Carcinogenicity

AZOFIN PLUS

No evidence of carcinogenicity in animal studies [Information from similar formulations].

AZOXYSTROBIN (active ingredient) - CAS Number: 131860-33-8

No component in technical Azoxystrobin with concentration greater than 0.1% is identified by IARC as probable, possible or confirmed human carcinogen.

Reproductive toxicity

AZOFIN PLUS

No toxicity to reproduction [Information from similar formulations].

Specific Target Organ Toxicity (STOT)

AZOFIN PLUS

No adverse effects have been observed in chronic toxicity tests [Information from similar formulations].

Aspiration hazard

No data available.

Section 12. ECOLOGICAL INFORMATION

To use according to good working practices. To avoid the unintentional dispersion in the environment. In the following, available toxicological data for active ingredient (Azoxystrobin) and the others components are shown. If not shown in the following, toxicological data mentioned in Regulation N° 830/2015 have to be considered as "*not available*".

12.1 Toxicity

AZOFIN PLUS

Ecotoxicological data are taken from similar formulations.

Toxicity to fish

LC₅₀ (Oncorhynchus mykiss [rainbow trout]): 1,2 mg/l

Exposure time: 96 h

Based on test results obtained with similar products.

LC₅₀ (Cyprinus carpio [carp]): 2,8 mg/l

Exposure time: 96 h

Based on test results obtained with similar products.

Toxicity to daphnia and other aquatic invertebrates:

EC₅₀ (Daphnia magna [water flea]): 0,83 mg/l

Exposure time: 48 h

Based on test results obtained with similar products.

Toxicity to algae:

ErC₅₀ (Selenastrum capricornutum [green algae]): 2,2 mg/l

Exposure time: 72 h

Based on test results obtained with similar products.

Ecotoxicological assessment

Chronic aquatic toxicity

Very toxic to aquatic life with long lasting effects. Classification of the product is based on the sum of the concentration of components classified as dangerous for the aquatic environment.

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AZOXYSTROBIN (active ingredient) - CAS Number: 131860-33-8 Ecotoxicological data are taken from similar formulations.

Toxicity to bird	LD ₅₀ (Mallard ducks and bobwhite quails): > 2.000 mg/kg
Toxicity to fish	LC ₅₀ (Oncorhynchus mykiss [rainbow trout]): 0.47 mg/l
Exposure time: 96 h	LC ₅₀ (Lepomis macrochirus [bluegill sunfish]): 1,1 mg/l LC ₅₀ (Cyprinus carpio [carp]): 1,6 mg/l LC ₅₀ (Cyprinodon variegatus [sheepshead minnows]): 0,66 mg/l
Toxicity to daphnia	
Exposure time: 48 h	EC ₅₀ (Daphnia [water flea]): 0,28 mg/l
Toxicity to algae:	
Exposure time: 72 h	ErC ₅₀ (Pseudokirchneriella subcapitata [green algae]): 0,18 mg/l ErC ₅₀ (Navicula pelliculosa [freshwater diatom]): 0,028 mg/l
M-factor (Acute aquatic toxicity)	10
Toxicity to fish (chronic)	NOEC (Oncorhynchus mykiss [rainbow trout]): 0.16 mg/l
Exposure time: 28 d	
Toxicity to fish (chronic)	NOEC (Pimephales promelas [fathead minnow]): 0.147 mg/l
Exposure time: 33 d	
Toxicity to daphnia and other aquatic invertebrates(chronic)	NOEC (Daphnia magna [water flea]): 0,044 mg/l Exposure time: 21 d NOEC (Americamysis bahia [Mysid shrimp]): 0,0095 mg/l Exposure time: 28 d
M-factor (Chronic aquatic toxicity)	10
Toxicity to earthworms	
Exposure time: 14 days	LC ₅₀ : 283 mg/kg
Toxicity to honeybees	LD ₅₀ (contact): > 200 µg/bee LD ₅₀ (oral): > 25 µg/bee

SULFONATE AROMATIC POLYMER, SODIUM SALT

Toxicity to fish	LC ₅₀ (Danio rerio [zebra fish]): > 10÷100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 - Read-across (Analogy).
Toxicity to daphnia and other aquatic invertebrates:	EC ₅₀ (Daphnia magna [water flea]): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 - Read-across (Analogy).
Toxicity to algae:	EC ₅₀ (Pseudokirchneriella subcapitata [green algae]): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 - Read-across (Analogy). EC ₁₀ (Pseudokirchneriella subcapitata [green algae]): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 - Read-across (Analogy).

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Toxicity to daphnia and other aquatic invertebrates

(chronic toxicity);

EC₁₀ (Daphnia magna [water flea]): > 10÷100 mg/l

Exposure time: 21 d

Method: OECD Test Guideline 211 - Read-across (Analogy).

1,2-BENZISOTHIAZOL-3(2H)-ONE (preservative) - CAS Number: 2634-33-5

Very toxic to aquatic life.

12.2 Persistence and degradability

AZOXYSTROBIN: Not readily biodegradable (Information taken from similar formulations).

SULFONATE AROMATIC POLYMER, SODIUM SALT: Not readily biodegradable -Read-across (Analogy).

12.3 Bioaccumulative potential

AZOXYSTROBIN: Does not bioaccumulate (Information taken from similar formulations).

SULFONATE AROMATIC POLYMER, SODIUM SALT: No bioaccumulation is expected.

12.4 Mobility in soil

AZOXYSTROBIN: Low to high mobility in soil (Information taken from similar formulations).

12.5 Results of PBT and vPvB assessment

AZOFIN PLUS is not considered to be either persistent, bioaccumulative and toxic (**PBT**) or very persistent and very bioaccumulative (**vPvB**) because of active ingredient (Azoxystrobin) and the other components with concentrations greater than 0.1% in the product classified **not PBT nor not vPvB**.

12.6 Other adverse effects

No data available.

Section 13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods

Dispose of in compliance with the country specific regulations, in a site authorised for collection and disposal of wastes.

Product/packaging

Wash used containers and packaging with plenty of warm water avoiding inhalation and disposing of washing residues as wastes. Do not reuse empty and clean containers. Used containers must be disposed of in compliance with the current local/national regulations.

Washing products

Do not pollute streams, rivers or canals with residues coming from storage, processing or cleaning activities or with used containers. Washing solutions must be disposed of in compliance with the current local/national regulations.

Section 14. TRANSPORT INFORMATION 14.1 **UN number** 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 14.5 **Environmental hazards** Marine pollutant

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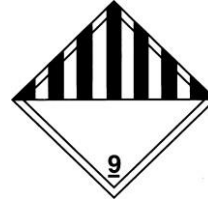
Land Transport:
Railroad Transport
[RID]

UN No: **3082**
"Environmentally hazardous substance,
liquid n.o.s. (azoxystrobin)"
Class: **9**
Packing Group: **III**
Danger No: **90**



Land Transport:
Road Transport [ADR]
[RID]

UN No: **3082**
"Environmentally hazardous substance,
liquid n.o.s. (azoxystrobin)"
Class: **9**
Packing Group: **III**
Danger No: **90**



Air Transport
[ICAO/IATA]

UN No: **3082**
"Environmentally hazardous substance,
liquid n.o.s. (azoxystrobin)"
Class: **9**
Packing Group: **III**
Danger No: **90**



Sea Transport
[IMO/IMDG]

UN No: **3082**
"Environmentally hazardous substance,
liquid n.o.s. (azoxystrobin)"
Class: **9**
Packing Group: **III**
Danger No: **90**
Marine Pollutant



14.6 Special precautions for user Refer

to sections 6, 7 and 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and of the IBC Code Not applicable because of AZOFIN PLUS not intended for transport in bulk.

Section 15. REGULATORY INFORMATION

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

Regulation	Subject	Applicability
Regulation (EC) N° 1005/2009	Substances that deplete the ozone layer.	Not applicable.
Regulation (EC) N° 850/2004	Persistent organic pollutants.	Not applicable.
Regulation (EC) N° 649/2012	Export and import of dangerous chemicals.	Not applicable.
Regulation (EC) N° 1907/2006 (REACH)	Art. 59 - Candidate List of Substances of Very High Concern for Authorization.	Not applicable.

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Directive 2012/18/EU of the European Parliament and of the Council (Seveso III)	Control of major-accident hazards involving dangerous substances.	Reference threshold quantities (E1 - Environmental Hazards - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1): <ul style="list-style-type: none">○ lower-tier requirement = 100 tonnes,○ upper-tier requirement = 200 tonnes.
Directive 98/24/EC of the European Parliament and of the Council	Protection of the health and safety of workers from the risks related to chemical agents at work.	Applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment (CSA) has been carried out.

Section 16. OTHER INFORMATION

Safety Data Sheet (SDS) was prepared according to Regulation (EC) N° 1272/2008 of European Parliament and of Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (which amends and repeals Directives 67/548/EEC and 1999/45/EC and amends also Regulation (EC) N° 1907/2006). The Safety Data Sheet is compliant to Regulation (EC) N° 830/2015.

Full text of Hazard Statements (H-Statements) referred to under sections 2 and 3

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.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Full text of Safety Phrases (P-Statements) referred to under section 2

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTRE/doctor if you feel unwell.
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...

Full text of Hazard Class-and-Categories referred to under sections 2 and

3

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Acute Tox. 3 Acute toxicity; Category 3. **Acute Tox. 4** Acute toxicity; Category 4.

Aquatic Acute 1 Acute hazard (short term) to the aquatic environment; Acute toxicity 1; Category 1.

Aquatic Chronic 1 Chronic hazard (long term) to the aquatic environment; Chronic toxicity, Category 1.

Aquatic Chronic 2 Chronic hazard (long term) to the aquatic environment; Chronic toxicity, Category 2.

CLAYTON PLANT PROTECTION

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Eye Dam. 1	Eye damage; Category 1.
Eye Irrit. 2	Eye irritation, Category 2.
Skin Irrit. 2	Skin irritation, Category 2.
Skin Sens. 1	Skin sensitization; Category 1.

Legend of the abbreviations and acronyms used in SDS:

ACGIH	American Conference of Industrial Hygienists
ADR	Accord européen relative au transport international des marchandises dangereuses par route
BCF	Bioconcentration Factor
CAS	Chemical Abstract Service
CSA	Chemical Safety Assessment
EC	European Community
EC₅₀	Effective Concentration 50
ErC₅₀	Effective Concentration 50 in terms of reduction in growth rate
IC₅₀	Inhibitor Concentration 50
CLP	Classification, Labelling and Packaging Regulation
IMDG Code	International Maritime Dangerous Goods code
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
LC₅₀	Lethal Concentration 50
LD₅₀	Lethal Dose 50
LERAP	Local Environmental Risk Assessment for Pesticides
NOEC	No observed effect concentration
PPE	Personal Protective Equipment
PBT	Persistent, bioaccumulative and toxic
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses
SDS	Safety Data Sheet
TLV	Threshold limit value
TWA	Time Weighted Average
UE	Unione Europea
vPvB	Very persistent very bioaccumulative

Sources used for compilation are the suppliers components and the comparable products SDSs.

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.