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

1.1 Product Identifier

Product Name: AZOXYSTAR®
Product Code: 001-01

UFI Code: 6DYV-C0R5-H00U-US73

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

Product Use: Fungicide

1.3 Details of the supplier of the safety data sheet

Company: Life Scientific Ltd,
Block 4,
Belfield Office Park,
Beech Hill Road,
Dublin 4
Ireland
Telephone: +353 (0) 1 2832024
Email: info@lifescientific.com
Web: www.lifescientific.com

1.4 Emergency contact information

In case of Emergency: Tel. NPIC +353 (01) 809 2166 (8.00 a.m. to 10.00 p.m. - Public)
Tel. NPIC +353 (01) 809 2566 (Healthcare Professionals)

Section 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) No. 1272/2008

Acute Tox.4	Category 4	H332
Aquatic Acute	Category 1	H400
Aquatic Chronic	Category 1	H410

2.2 Label Elements

Labelling according to Regulation (EU) 1272/2008

Hazard Pictograms:

Signal Word:

Warning

Hazard Phrases:

H332 Harmful if inhaled
H410 Very toxic to aquatic life with long lasting effects

Precautionary Phrases:

P102	Keep out of reach of children
P261	Avoid breathing fumes/ mist/ vapours/ spray
P271	Use only outdoors or in a well-ventilated area.
P391	Collect spillage
P304+312+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P501	Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste

Supplemental information:

EUH401 To avoid risks to man and environment comply with the instructions for use.

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).

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

3.1 Substances

No substances fulfil the criteria set out in Annex II, Part A of the REACH Regulation (EC) No 1907/2006.

3.2 Mixtures

Chemical Name	CAS	EC	Classification (Regulation (EC) No 1272/2008)	Concentration (% $^{w}/_{w}$)
Azoxystrobin	131860-33-8	-	Acute Tox. 3, H331 Aqua. Acute 1, H400 Aquatic Chronic 1, H410	22.9
Alcohols, C16-18, Ethoxylate.	68439-49-6	200-338-0	Eye Dam.1, H318	10-18
Sodium naphthalene formaldehyde condensate	9008-63-3	-	Eye Irrit.2, H319	1-5

Section 4. FIRST AID MEASURES

Generally, in case of doubt or if symptoms persist, always call a doctor. NEVER give anything by mouth to an unconscious person.

4.1 Description of first aid measures

Inhalation : If inhaled, remove victim to fresh air. If breathing is difficult, give oxygen.
If breathing is irregular or stopped, give artificial respiration. Consult a physician or Poison Control Centre immediately.

Ingestion: DO NOT induce vomiting unless directed to do so by a Poison Control Centre. If patient is conscious, wash out mouth with water. Seek medical advice and show the product container, label or data sheet if possible.

Skin contact: Remove contaminated clothing immediately. Wash skin immediately with plenty of water. If skin irritation persists, Consult a physician. Wash contaminated clothing before re-use.

Eye contact: Remove contact lenses if present. Rinse immediately with plenty of water, with the eyelid open for at least 15 minutes. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No known symptoms

4.3 Indication of any immediate medical attention and special treatment needed

Information to physician: Treat symptomatically.

Section 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

For small fires: Use water spray, dry chemical, alcohol-resistant foam or carbon dioxide.
For large fires: Use alcohol-resistant foam or water spray. Avoid using solid water stream as it may cause the fire to scatter or spread.

5.2 Special hazards arising from the substance or mixture

The product contains combustible organic components, in case of fire, dense black smoke containing hazardous combustion products will be formed. Inhalation of decomposition products may cause health problems

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Fight fire from a safe distance and a protected location.
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

Refer to protective measures listed in sections 7 and 8.

6.2 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 materials for containment and 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). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

6.4 Reference to other sections

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

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special technical protective measures required. No special handling advice 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 feeding stuffs.

Further information on storage stability: 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)

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

Section 8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Component	Exposure Limits	Categories	Source
Azoxystrobin	4 mg/m^3	TWA	Supplier

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.

Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Eye / face protection:

Avoid contact with eyes. Use safety eyewear designed to protect against liquid splashes. It is necessary to wear safety goggles in accordance with standard EN166.

Protection of hands:

Wear suitable protective gloves if prolonged or repeated contact with skin.

Body protection:

No special protective equipment required. Select skin and body protection based on the physical job requirements

Respiratory protection:

Filters - anti-gas and vapours (Combined filters) to the NF EN14387: A1 (Brown

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Liquid – free from claying and sedimentation
Colour	Beige
Odour	Paint-like odour
pH (at 20 °C):	6 - 8 (1%)
Melting point/freezing point:	No data available
Initial boiling point and boiling range (°C):	No data available
Flash point (°C):	> 97 at 97.5 kPa Pensky-Martens
Evaporation rate:	Not tested
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density (g/ cm^3):	1.10 at 20°C
Solubility(ies):	Miscible
Partition coefficient: n-octanol/water:	Not tested
Auto-ignition temperature:	Not tested
Decomposition temperature:	Not tested
Viscosity:	117 – 541 mPa.s. at 20 °C

9.2 Other Information

9.2.1 Information with regard to physical hazard classes

Explosive properties:	Not explosive
Oxidising properties:	Not oxidising
Surface Tension	Not tested

9.2.2 Other safety characteristics

None

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

No decomposition if used as directed.

10.5 Incompatible material

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products are known

Section 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Oral Toxicity LD50 Rat:	>2000 mg/kg
Acute Dermal Toxicity LD50 Rat:	>2000 mg/kg
Acute Inhalation Toxicity LC50 Rat:	>2.69 mg/L, 4 h. Based on test results obtained with similar product.
Acute Eye Irritation, Rabbit:	Non-irritant
Acute Skin Irritation, Rabbit:	Non-irritant
Sensitisation, Guinea pig:	Not sensitising
Long-Term Toxicity:	Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.

11.2 Information on other hazards

Endocrine disrupting properties

Product:
Assessment: The mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity

LC_{50} Rainbow trout (96 h):	1.2	mg/L
LC_{50} Mirror carp (96 h):	2.8	mg/L
EC_{50} Daphnia magna (48 h):	0.83	mg/L

E_rC_{50} Green algae (72 h): 2.2 mg/L

12.2 Persistence and degradability

Biodegradability: Azoxystrobin is not readily biodegradable.
Stability in water: Azoxystrobin is stable in water.
Stability in soil: Azoxystrobin is moderately persistent in soil.

12.3 Bioaccumulative potential

Azoxystrobin does not bioaccumulate.

12.4 Mobility in soil

Mobility: Azoxystrobin has moderate mobility in soil.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Product:
Assessment: The mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

None.

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 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

Transport the product in accordance with the provisions of ADR for road, RID for rail, IMDG for the sea, and ICAO / IATA for air transport

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

Environmentally hazardous, Marine pollutant

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

No data available

Section 15. REGULATORY INFORMATION

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

To avoid risks to man and the environment, comply with the instructions for use.

15.2 Chemical safety assessment

None

Section 16. OTHER INFORMATION

Full text hazard statements mentioned in section 2 and 3.

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage
H319 Causes severe eye irritation.
H331 Toxic if inhaled.
H400 Very toxic to aquatic organisms
H410 Very toxic to aquatic organisms with long lasting effects.

The information presented in this document is accurate to the best of our knowledge at the date of its publication. However, the information given is designed only as a guide for the methods of handling, storage, use, transportation and disposal of the product and is not considered a warranty or quality specification. Life Scientific Limited cannot be held responsible for any loss or damage resulting from the handling, storage, use or disposal of the product. The information contained in this document relates only to this specific product.

AZOXYSTAR® is a registered Trademark of Life Scientific Ltd.

First Issuance: 01.06.2016
Current Issuance: 14/12/2022