Almandine Corporation SA

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SAFETY DATA SHEET

RIZIKA 325 SC

SDS:GHS/Isr/Ver 1.1 **Issue date:** 11.11.2021

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: RIZIKA 325 SC
Chemical name: Azoxystrobin and Difenoconazole

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

Identified uses: fungicide for agricultural use

Details of the supplier of the safety data sheet

Supplier: Almandine Corporation SA
Gotthardstrasse 3
6300 Zug
Switzerland
Tel: +44 20 8995 8391 (UK office)
Fax: +44 20 8995 7639
Email: almuk@almandine.com

Formulation site: IRCA Service SpA
24040 Fornovo
San Giovanni (BG)
Italy

Emergency telephone number

Tel: +44 20 8995 8391 (SDS support, 9.00-5.00 pm; Mon-Fri only, UK)

SECTION 2: HAZARDS IDENTIFICATION

Acute oral 4
Acute Inh. 3
Skin Irrit. 2
Eye Irrit. 2
Aq acute 1
Aq chronic 1

Pictogram(s):

Signal word: Warning

Hazard statement(s):

H302: Harmful if swallowed
H315: Causes skin irritation

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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.

Precautionary statement(s):

P260: Do not breathe mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED: call a POISON CENTER or doctor IF you feel unwell.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P501: Dispose of contents/container in accordance with local and national regulations

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Concentration (g/L)	Signal word	H-statements
Azoxystrobin	131860-33-8	200	**Danger**	H331, H400/H410
Difenoconazole	119446-68-3	125	**Warning**	H302, H400/H410
1,2-ethandiol	107-21-1	<100	**Warning**	H302

SECTION 4: FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre and follow the advice given. Show this Safety Data Sheet to the doctor.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor.

Skin contact: Wash with plenty of water. Wash contaminated clothing before reuse. IF SKIN irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor if you feel unwell

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. IF eye irritation persists: Get medical advice/attention.

Ingestion: DO NOT induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person. Seek medical attention.

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Treatment: Observe the patient and treat symptomatically. No known specific antidote.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Water spray. Keep unexposed containers cool with water spray. Water jet is not recommended.

Specific Hazards from the product: Combustion products are toxic and/or irritant. May produce toxic gases: NOx, COx, CN.

Advice for fire fighters: Fire-fighters should wear full protective gear, including self-contained breathing apparatus. Use water spray to cool containers.

Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear PPE as recommended in section 8. Avoid breathing dust. Ensure adequate ventilation. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away and keep locked up.

Environmental precautions: Prevent product from entering drains or water courses. Do not flush into water sources, drains or sewage systems. If product enters sewage or contaminates water sources, inform the relevant authorities.

Clean-up methods: Absorb spill with a non-combustible absorbent material, such as sand, earth, or diatomaceous earth. Shovel into well labelled, sealed, suitable containers.
For large spills it may be necessary to dyke spill area to prevent contamination of drains and waterways.

SECTION 7: HANDLING AND STORAGE

Handling: Use PPE as outlined in section 8. Avoid contact with skin, eyes and clothing. May irritate skin. Avoid breathing dust. After use and before eating, drinking, or smoking, wash hands, arms and face thoroughly with soap and water.

Storage: Keep out of sight and reach of children Store in the closed original container, in a cool, dry, well-ventilated area, away from direct sunlight and sources of ignition. Keep away from food, drink and animal feeds. Avoid storing at freezing temperatures.

Incompatibility: None known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure limits:

Azoxystrobin
2 mg / m^3 8 hr TWA

Difenoconazole
8 mg/ m^3 8 hr TWA

Time weighted average (TWA) is the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Engineering controls: Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below exposure limits. Where suitable engineering controls are not fitted or are inadequate, wear suitable protective equipment.

Personal protective equipment:
Wear face shield or goggles.
Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, heavy-duty shoes or boots.
Wear elbow length butyl rubber gloves.
If working in a poorly ventilated area or if occupational exposure levels are likely to be exceeded, wear a respirator with filter for vapours.
After each day's use, wash gloves, goggles or face shield, respirator if worn, and contaminated clothing.

Do not re-enter treated areas without protective clothing until spray residue has dried.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

a)	Appearance:	White to off-white liquid
b)	Odour:	weak
c)	Odour threshold:	none set
d)	pH:	5 - 8
e)	Melting point/freezing point:	not determined
f)	Boiling point/boiling range:	not determined
g)	Flash–point:	Does not flash
h)	Evaporation rate:	not determined
i)	Flammability (solid/gas):	Not flammable
j)	Upper/lower flammability or explosive limits:	n/a
k)	Vapour pressure:	1.1 x 10^{-7} mPa (azoxystrobin tech.) 3.3 x 10^{-5} mPa (difenoconazole tech.)
l)	Vapour density:	not determined
m)	Relative density:	1.09 mg/L (20°C)
n)	Solubility:	forms a suspension
o)	Partition coefficient:	Log P_{ow} 2.5 (azoxystrobin), 4.36 (difenoconazole)
p)	Auto-ignition temperature:	not determined
q)	Decomposition temperature:	not determined
r)	Viscosity:	not determined
s)	Explosive properties:	Not explosive
t)	Oxidising properties:	Not an oxidiser

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SECTION 10: STABILITY AND REACTIVITY

Reactivity Stable under normal conditions of use. Will not polymerise.

Chemical stability The product is stable if stored and handled as prescribed /indicated.

Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions.

Conditions to avoid Sources of ignition and extreme heat.

Incompatible materials Strong oxidisers, alkalis.

Hazardous decomposition Products: Does not decompose at ambient temperature. Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Oral toxicity: LD_{50} rat: >2500 mg/kg
Dermal toxicity: LD_{50} rat: >2000 mg/kg
Inhalation toxicity: LC50 rat: >0.64 mg/L (highest attainable concentration)

Skin irritation: Causes skin irritation.
Eye irritation: Causes serious eye irritation.
Skin sensitisation: Not a sensitizer

Long-term exposure: No long term risks to man are associated with the normal handling and use of this material.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Fish toxicity:	LC_{50} 96 h	rainbow trout	1.7 mg/l
	LC_{50} 96 h	mirror carp	4.2 mg/l
***Daphnia* toxicity:**	EC_{50} 48 h	*Daphnia magna*	1.1 mg/l
Algal toxicity:	Green algae *Selanastrum capricornutum*		
	EbC_{50} 72h		0.587mg/l

Toxic to aquatic organisms

Slightly toxic to bees.

Environmental Fate

Bioaccumualation: Azoxystrobin has medium potential for bioaccumulation. Difenoconazole has a high potential for bioaccumulation.

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Stability in water: Azoxystrobin is stable in water.
Difenoconazole is persistent in water.

Stability in soil: Azoxystrobin is not persistent in soil.
Difenoconazole is very persistent in soil.

Soil mobility: Azoxystrobin has low to very high mobility in soil. Difenoconazole has low mobility.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: Dispose of waste product through an official waste contractor. Obtain advice from local waste regulation authority.

Contaminated packaging: Triple- or pressure-rinse containers before disposal. Add rinsings to spray tank.
Do not dispose of undiluted chemicals on-site.
Do not burn empty containers. Recycle, or return to supplier through local schemes if applicable. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORTATION INFORMATION

UN number: 3082

UN Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S. (contains azoxystrobin and difenoconazole)

Transport hazard class:	ADR/RID: 9	IMDG: 9	IATA: 9
Packaging group:	ADR/RID: III	IMDG: III	IATA: III
Environmental hazard:	ADR/RID: Yes	IMDG: Marine pollutant: Yes	IATA: Yes

SECTION 15: REGULATORY INFORMATION

No additional regulatory information required for this product

SECTION 16: OTHER INFORMATION

H-Statements:

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic by inhalation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with ling lasting effects

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No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's handling of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Sections 9, 11 and 12 based on available EU and Almandine SA Corporation data
Self-classification of mixture
Updates to section 2, 4, 11, 12, and 16
Supercedes SDS issued: 14.09.2020