

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 1 of 14
Print date: 09/02/2026

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

1.1 Product identifier.

Product Name: DIFENOCONAZOLE 25G/L + FLUDIOXONIL 25G/L + THIAMETHOXAM 262.5G/L FS
Active Substance: DIFENOCONAZOLE 25 g/L + FLUDIOXONIL 25 g/L + THIAMETHOXAM 262.5 g/L [FS]
Trade Name: SEEDFORT TOP

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

Fungicide

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **Shandong Weifang Rainbow Chemical Co., Ltd.**
Address: Binhai Economic Development Area
City: Weifang
Province: Shandong 262737 (China)
Telephone: (+86) 536 531 9100 / 530 2205
E-mail: rainbowagro@rainbowagro.com

1.4 Emergency telephone number: (+86) 536 531 9100 / 530 2205 +86 531 88875222 (Available 24 hours)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Acute Tox. 4 : Harmful if swallowed.
Eye Dam. 1: Causes serious eye damage.
Carc. 2: Suspected of causing cancer.
Repr. 2: Suspected of damaging fertility or the unborn child.
Aquatic Chronic 1 : Very toxic to aquatic life with long lasting effects.

2.2 Label elements.

Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Signal Word:

Warning

Hazard statements:

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 2 of 14
Print date: 09/02/2026

P201 Obtain special instructions before use.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
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 to ...

EUH statements:

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards.

The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 613-267-00-9 CAS No: 153719-23-4 EC No: 428-650-4	thiamethoxam (ISO), 3-(2-chloro-thiazol-5-ylmethyl)-5-methyl [1,3,5]oxadiazinan-4-ylidene-N-nitroamine	24.9 - 27.5 %	Acute Tox. 4, H302 - Aquatic Acute 1, H400 (M=10) - Aquatic Chronic 1, H410 (M=10) - Repr. 2, H361fd	Oral: ETA = 780 mg/kg pc (ATP 17)
Index No: 603-027-00-1 CAS No: 107-21-1 EC No: 203-473-3 Registration No: 01-2119456816-28-XXXX	[1] ethanediol, ethylene glycol	1 - 10 %	Acute Tox. 4, H302	-
Index No: 608-069-00-4 CAS No: 131341-86-1	fludioxonil (ISO), 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile	2.12 - 2.87 %	Aquatic Acute 1, H400 (M=1) - Aquatic Chronic 1, H410 (M=10)	-
Index No: 613-347-00-3 CAS No: 119446-68-3	difenoconazole (ISO), 1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl)methyl}-1H-1,2,4-triazole, 3-chloro-4-[(2RS,4RS,2RS,4SR)-4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether	2.12 - 2.87 %	Acute Tox. 4, H302 - Aquatic Acute 1, H400 (M=10) - Aquatic Chronic 1, H410 (M=10) - Carc. 2, H351 - Eye Irrit. 2, H319	Oral: ETA = 1450 mg/kg bw (ATP 21)

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 3 of 14
Print date: 09/02/2026

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 613-326-00-9 CAS No: 2682-20-4 EC No: 220-239-6 Registration No: 01-2120764690-50-XXXX	2-methylisothiazol-3(2H)-one	0.0015 - 0.25 %	Acute Tox. 2, H330 - Acute Tox. 3, H311 - Acute Tox. 3, H301 - Aquatic Acute 1, H400 (M=10) - Aquatic Chronic 1, H410 (M=1) - Eye Dam. 1, H318 - Skin Corr. 1B, H314 - Skin Sens. 1A, H317, EUH071	Skin Sens. 1A, H317: C ≥ 0,0015 %

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

[2] Substance with a national workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Symptoms: No other symptoms or effects are known at this time.

Information: Section 2 provides additional information on symptoms and effects.

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

Treatment: Symptomatic treatment

There is no specific antidote available.

SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 4 of 14
Print date: 09/02/2026

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III):

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
E1	ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	100	200

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 5 of 14
Print date: 09/02/2026

7.3 Specific end use(s).

For professional use only. See the product label for approved conditions of use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
ethanediol, ethylene glycol	107-21-1	European Union [1]	Eight hours	20 (skin)	52 (skin)
			Short term	40 (skin)	104 (skin)

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
ethanediol, ethylene glycol CAS No: 107-21-1 EC No: 203-473-3	DNEL (Workers)	Inhalation, Chronic, Local effects	35 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %			
Uses:	Fungicide			
Breathing protection:				
PPE:	Filter mask for protection against gases and particles.			
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.			
CEN standards:	EN 136, EN 140, EN 405			
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.			
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.			
Filter Type needed:	A2			
Hand protection:				
PPE:	Protective gloves against chemicals.			
Characteristics:	«CE» marking, category III.			
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420			
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.			
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.			
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480	Material thickness (mm): 0,35
Eye protection:				
PPE:	Protective goggles with built-in frame.			

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]



Version 1 Date of compilation: 01/12/2025

Page 6 of 14
Print date: 09/02/2026

Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.	
CEN standards:	EN 165, EN 166, EN 167, EN 168	
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.	
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.	
Skin protection:		
PPE:	Protective clothing.	
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.	
CEN standards:	EN 340	
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.	
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.	
PPE:	Work footwear.	
Characteristics:	«CE» marking, category II.	
CEN standards:	EN ISO 13287, EN 20347	
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.	
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Not applicable/Not available due to the nature/properties of the product

Odour: Not applicable/Not available due to the nature/properties of the product

Odour threshold: Not available

Melting point: Not available

Freezing point: Not available

Boiling point or initial boiling point and boiling range: Not available

Flammability: Not available

Lower explosion limit: Not available

Upper explosion limit: Not available

Flash point: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: 4-8 (1%)

Kinematic viscosity: Not available

Solubility: Not available

Hydrosolubility: Not available

Liposolubility: Not available

Partition coefficient n-octanol/water (log value): Not available

Vapour pressure: Not available

Absolute density: Not available

Relative density: 1,14 g/mL

Relative vapour density: Not available

Particle characteristics: Not available

9.2 Other information

Not applicable/Not available due to the nature/properties of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 7 of 14
Print date: 09/02/2026

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
fludioxonil (ISO), 4-(2,2- difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile CAS No: 131341-86-1	Oral	LD50	Rat	>5000 mg/kg [1]
		[1] EFSA Scientific Report (2007) 110, 1-85		
	Dermal	LD50	Rat	>2000 mg/kg [1]
		[1] EFSA Scientific Report (2007) 110, 1-85		
Inhalation	LC50	Rat	>2.6 mg/L (4h) [1]	
	[1] EFSA Scientific Report (2007) 110, 1-85			
difenoconazole (ISO), 1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole, 3-chloro-4-[(2RS,4RS,2RS,4SR)-4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether CAS No: 119446-68-3	Oral	LD50	Rat	1453 mg /kg bw [1]
		LD50	Mouse	>2000 mg/kg bw [2]
		[1] EFSA Journal 2011,9(1):1967 [2] EFSA Journal 2011,9(1):1967		
	Dermal	LD50	Rabbit	> 2010 mg/kg bw [1]
		[1] EFSA Journal 2011,9(1):1967		
	Inhalation	LC50	Rat	>3.3 mg/L (4h (exposure, nose-only)) [1]
[1] EFSA Journal 2011,9(1):1967				

a) acute toxicity;

Product classified:

Acute toxicity (Oral), Category 4: Harmful if swallowed

LD50 Oral (rat): > 2000 mg/kg

LD50 Dermal (rat): > 2000 mg/kg

LC50 Inhalation (rat): > 3,52 mg/L

Note: data based on experimental data

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 8 of 14
Print date: 09/02/2026

b) skin corrosion/irritation;

Product classified:

Skin irritant, Category 2: Causes skin irritation.

Skin irritation (rabbit): causes skin irritation

Note: data based on experimental data

c) serious eye damage/irritation;

Eye irritation (rabbit): causes serious eye irritation

Note: data based on experimental data

d) respiratory or skin sensitisation;

Product classified:

Skin sensitizer, Category 1: May cause an allergic skin reaction.

Sensitisation (guinea pig): May cause an allergic skin reaction

Note: data based on experimental data

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Product classified:

Carcinogen, Category 2: Suspected of causing cancer.

g) reproductive toxicity;

Product classified:

Reproductive toxicant, Category 2: Suspected of damaging fertility or the unborn child.

h) STOT-single exposure;

Not conclusive data for classification.

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This substance/mixture does not contain ingredients that are considered to have endocrine-active properties according to Article 57(f) of REACH, Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/606 at levels of 0.1% or higher.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]



Version 1 Date of compilation: 01/12/2025

Page 9 of 14
Print date: 09/02/2026

fludioxonil (ISO), 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile CAS No: 131341-86-1	Fish	LC50 O. mykiss 0.23 mg/L (96h) [1] NOEC O. mykiss 0.040 mg/L (28d) [2] [1] EFSA Scientific Report (2007) 110, 1-85 [2] EFSA Scientific Report (2007) 110, 1-85
	Aquatic invertebrates	EC50 D. magna 0.4 mg/L (48h) [1] NOEC D. magna 0.005 mg/L (21d) [2] [1] EFSA Scientific Report (2007) 110, 1-85 [2] EFSA Scientific Report (2007) 110, 1-85
	Aquatic plants	
difenoconazole (ISO), 1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl)methyl}-1H-1,2,4-triazole, 3-chloro-4-[(2RS,4RS,2RS,4SR)-4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether CAS No: 119446-68-3	Fish	EC50 R. trout 1.1 mg as/L (96h) [1] NOEC F. minnow 0.0076 mg as/L (34d) [2] [1] EFSA Journal 2011.9(1):1967 [2] EFSA Journal 2011.9(1):1967
	Aquatic invertebrates	EC50 M. bahia 0.15 mg as/L (96h) [1] NOEC D. magna 0.0056 mg as/L (21d) [2] [1] EFSA Journal 2011.9(1):1967 [2] EFSA Journal 2011.9(1):1967
	Aquatic plants	EbC50 S. subspicatus 0.032 mg as/L (72h) [1] [1] EFSA Journal 2011.9(1):1967

Aquatic toxicity of the product:

Fish:

LC50 (O. mykiss): 1,1 mg/L (96h)

NOEC (O. mykiss): 0,023 mg/L (21d)

Aquatic invertebrates:

EC50 (D. magna): 0,77 mg/l (48h)

Aquatic plants:

ErC50: 0,032 mg/l (72h)

Note: data based on a product with similar composition

12.2 Persistence and degradability.

Difenoconazole:

Persistence: Moderate to high persistence

Single first order DT50 53 - 235 (20°C, 40 - 48 % MWHC soil moisture)

Field studies: Single first order DT50 20 - 242 days (non normalised)

Readily biodegradable: No

EFSA Journal 2011;9(1):1967

Fludioxonil:

High to very high persistence (in the dark)

(DT50 lab = 119 - 599 d at 20°C and different soil moisture conditions)

Very low to low persistence (in the light, "sun exposed" soil compartment)

(DT50 lab in thin layer soil plates = 0.86 - 2 d)

EFSA Scientific Report (2007) 110, 1-85

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
ethanediol, ethylene glycol	-1,36	-	-	Very low

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]



Version 1 Date of compilation: 01/12/2025

Page 10 of 14
Print date: 09/02/2026

CAS No: 107-21-1	EC No: 203-473-3				
difenoconazole (ISO), 1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl)methyl}-1H-1,2,4-triazole, 3-chloro-4-[(2RS,4RS,2RS,4SR)-4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether		4,36	330	-	High
CAS No: 119446-68-3					

Difenoconazole:

Potential for accumulation: No evidence for accumulation.

EFSA Journal 2011;9(1):1967

Fludioxonil:

Potential for bioaccumulation: No

EFSA Scientific Report (2007) 110, 1-85

12.4 Mobility in soil.

Difenoconazole:

Mobility in soil: Immobile to medium mobility

K_{foc} 400 - 7730 mL/g

EFSA Journal 2011;9(1):1967

Fludioxonil:

immobile (K_{foc} = 12000 - 385000 mL/g)

No significant influence of the pH was observed.

EFSA Scientific Report (2007) 110, 1-85

12.5 Results of PBT and vPvB assessment.

The substance/mixture does not contain components considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH 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.

The product is not affected by the Regulation (EU) 2024/590 of the European Parliament and of the Council of 7 February 2024 on substances that deplete the ozone layer.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

Product:

Do not contaminate lakes, watercourses or ditches with the chemical or the container used.

Do not dispose of waste in drains.

Whenever possible, recycling is preferable to disposal or incineration.

If recycling is not possible, dispose of in accordance with local regulations.

Contaminated packaging:

Empty remaining contents.

Triple rinse containers.

Empty containers should be taken to an approved waste treatment site for recycling or disposal.

Do not reuse empty containers.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 11 of 14
Print date: 09/02/2026

Waste classification according to the European Waste Catalogue:

15 WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 packaging (including separately collected municipal packaging waste)

15 01 10 packaging containing residues of or contaminated by hazardous substances

Waste classified as hazardous.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

14.1 UN number or ID number.

UN No: UN3082

14.2 UN proper shipping name.

Description:

ADR/RID: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, PG III, (-)

IMDG: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (THIAMETHOXAM (ISO) 3-(2-CHLORO-THIAZOL-5-YLMETHYL)-5-METHYL [1,3,5]OXADIAZINAN-4-YLIDENE-N-NITROAMINE), 9, PG III, MARINE POLLUTANT

ICAO/IATA: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, PG III

14.3 Transport hazard class(es).

Class(es): 9

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

Transport by ship, FEm – Emergency sheets (F – Fire, S – Spills): F-A,S-F

14.6 Special precautions for user.

Labels: 9



Hazard number: 90

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

Proceed in accordance with point 6.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]

Version 1 Date of compilation: 01/12/2025



Page 12 of 14
Print date: 09/02/2026

ADR LQ: 5 L
IMDG LQ: 5 L
ICAO LQ: 30 kg B

14.7 Maritime transport in bulk according to IMO instruments.

The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E1

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

Substances including by Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

Name	
thiamethoxam (ISO); 3-(2-chloro-thiazol- 5-ylmethyl)-5-methyl [1,3,5]oxadiazinan- 4-ylidene-N-nitroamine	
CAS No: 153719-23-4	
EC No: 428-650-4	
Annex I Part 1 - Subcategory	Limitation
Pesticide in the group of plant protection products	Ban
Annex I Part 2 - Category	Limitation
Pesticides	Severe restriction

15.2 Chemical safety assessment.

For correct and safe use of this product, please refer to the authorisation conditions indicated on the product label.

The active ingredient used in plant protection products already complies with regulations, as the active substances are exempt under Article 15 of REACH and approved as registered in accordance with Regulation 1107/2009.

According to the REACH regulation, chemical safety assessment for chemical mixtures is not mandatory.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]



Version 1 Date of compilation: 01/12/2025

Page 13 of 14
Print date: 09/02/2026

H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H351	Suspected of causing cancer.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 2: Acute toxicity (Inhalation), Category 2
Acute Tox. 3: Acute toxicity (Dermal), Category 3
Acute Tox. 3: Acute toxicity (Oral), Category 3
Acute Tox. 4: Acute toxicity (Oral), Category 4
Aquatic Acute 1: Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1: Chronic effect to the aquatic environment, Category 1
Carc. 2: Carcinogen, Category 2
Eye Dam. 1: Serious eye damage, Category 1
Eye Irrit. 2: Eye irritation, Category 2
Repr. 2: Reproductive toxicant, Category 2
Skin Corr. 1B: Skin Corrosive, Category 1B
Skin Irrit. 2: Skin irritant, Category 2
Skin Sens. 1: Skin sensitiser, Category 1
Skin Sens. 1A: Skin sensitiser, Category 1A

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data
Health hazards On basis of test data
Environmental hazards On basis of test data

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.
BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Code for Dangerous Goods.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
NOEC: No observed effect concentration.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>
<http://echa.europa.eu/>
Regulation (EU) 2020/878.
Regulation (EC) No 1907/2006.
Regulation (EC) No 1272/2008.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

DIFENOCONAZOLE 25 G/L + FLUDIOXONIL 25 G/L + THIAMETHOXAM 262.5 G/L FS [SEEDFORT TOP]



Version 1 Date of compilation: 01/12/2025

**Page 14 of 14
Print date: 09/02/2026**

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.