



SEXTAN
Fungicide - Oil in Water Emulsion

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

1.1 Product identifier: SEXTAN
Fungicide - Oil in Water Emulsion
Contains 250g / L or 25.56% (w/w) Tebuconazole

Other means of identification: NA

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

Relevant uses: Fungicide for agricultural use. For professional user only.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

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1.4 Emergency telephone number: Local Poisons Information Centre

SECTION 2: HAZARDS IDENTIFICATION (>)

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Acute Tox. 4: Acute inhalation toxicity, Category 4, H332

Aquatic Acute 1: Hazardous to the aquatic environment, acute hazard, Category 1, H400

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard, Category 1, H410

Eye Irrit. 2: Eye irritation, Category 2, H319

Repr. 2: Reproductive toxicity, Category 2, H361d

Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Acute Tox. 4: H332 - Harmful if inhaled.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Repr. 2: H361d - Suspected of damaging the unborn child.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Precautionary statements:

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SECTION 2: HAZARDS IDENTIFICATION (>) (continued)

P102: Keep out of reach of children
P202: Do not handle until all safety precautions have been read and understood
P270: Do not eat, drink or smoke when using this product
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection
P302+P352: IF ON SKIN: Wash with plenty of water
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310: Immediately call a poison center/doctor
P391: Collect spillage
P405: Store locked up
P501: Dispose of the contents/containers in according to local regulations

Supplementary information:

EUH401: To avoid risks to human health and the environment, comply with the instructions for use
SP1: Do not contaminate water with the product or its container. Does not clean application equipment near surface water.

Additional labeling:

SPe3: To protect aquatic organisms respect an unsprayed buffer zone of 15 m to surface water bodies.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
There are no known endocrine disrupting properties.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Organic compounds

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 14433-76-2 EC: 238-405-1 Index: -- REACH: 01-2119485027-36-XXXX	N,N-dimethyldecan-1-amide^(*)	Self-classified	50 - <75 %
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	
CAS: 107534-96-3 EC: 403-640-2 Index: 603-197-00-7 REACH: (I)	Tebuconazol^(*)	ATP ATP07	25,56 % (*)
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Repr. 2: H361d - Warning	

^(*) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

(*) Equivalent to 250g/L of Tebuconazol pure

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

- (i) Substance considered registered under Article 15 (1) of Regulation 1907/2006;
- (ii) Substance considered as registered under Article 15 (2) of Regulation (EC) No 1907/2006;
- (iii) Substance exempted from registration under Article 2 (9) of Regulation 1907/2006;
- (iv) Substance exempt from registration under Article 2 (7) (a) of Regulation (EC) No 1907/2006;
- (v) Substance exempted from registration under Article 6 (1) of Regulation (EC) No 1907/2006;
- (vi) Substance exempted from registration under Article 2 (7) (b) of Regulation (EC) No 1907/2006;
- (vii) Substance exempted from registration under Article 2 (7) (c) of Regulation (EC) No 1907/2006.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

Tebuconazol:

gastrointestinal disorder: nausea, vomiting, diarrhoea and abdominal ache; anorexia, fever, headache, depression of central nervous system. Inhalation – respiratory disturbs, cough, dyspnoea, rhinitis, increase in bronchial secretions; Contact - irritation of the eyes, skin and mucous, watering of eyes, conjunctivitis; contact dermatitis.

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

Provide supportive care and symptomatic treatment. If swallowed induce vomiting or provide a gastric wash, avoiding aspiration or administrate activated charcoal or saline laxative (type: sodium or magnesium sulphate or similar).

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

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SECTION 5: FIREFIGHTING MEASURES (continued)

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Maximum time: 24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N,N-dimethyldecan-1-amide CAS: 14433-76-2 EC: 238-405-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	166,67 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N,N-dimethyldecan-1-amide CAS: 14433-76-2 EC: 238-405-1	Oral	Non-applicable	Non-applicable	14,29 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	14,29 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	50 mg/m ³	Non-applicable

PNEC:



Identification					
N,N-dimethyldecan-1-amide CAS: 14433-76-2 EC: 238-405-1	STP	2,12 mg/L	Fresh water	0,028 mg/L	
	Soil	5,3 mg/kg	Marine water	0,003 mg/L	
	Intermittent	0,077 mg/L	Sediment (Fresh water)	0,335 mg/kg	
	Oral	0,01271 g/kg	Sediment (Marine water)	0,034 mg/kg	

8.2 Exposure controls:



A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405+A1 EN140	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves		EN 374-1 EN 420+A1	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.





E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks		EN 1149-5 EN 13034+A1 EN ISO 13688	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk		EN ISO 20347 EN ISO 20345 EN 13832-3	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1	 Eyewash stations	DIN 12 899 ISO 3864-1

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 °C:	0 kg/m ³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (➤)

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not available
Colour:	Light Yellow
Odour:	Not characteristic
Odour threshold:	Not available

Volatility:

Boiling point at atmospheric pressure:	Not available
Vapour pressure at 20 °C:	Not available
Vapour pressure at 50 °C:	Not available
Evaporation rate at 20 °C:	Not available

Product description:

Density at 20 °C:	Not available
Relative density at 20 °C:	0.978
Dynamic viscosity at 20 °C:	(128.4 / 116.4-63.6) cP (05-2.5) rpm
Kinematic viscosity at 20 °C:	Not available
Kinematic viscosity at 40 °C:	Not available
Concentration:	Not available

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (>) (continued)

pH:	6.4 (at 1% in aqueous solution)
Vapour density at 20 °C:	Not available
Partition coefficient n-octanol/water 20 °C:	Not available
Solubility in water at 20 °C:	Not available
Solubility properties:	Not available
Decomposition temperature:	Not available
Melting point/freezing point:	Not available

Flammability:

Flash Point:	> 140 °C
Heat of combustion:	Not available
Flammability (solid, liquid, gas):	Not available
Autoignition temperature:	380 °C
Lower flammability limit:	Not available
Upper flammability limit:	Not available

Particle characteristics:

Median equivalent diameter:	Not applicable
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9.2 Other information:

Explosive properties:	Not Explosive
Oxidising properties:	Not oxidizing
Corrosive to metals:	Not available
Heat of combustion:	Not available
Aerosols-total percentage (by mass) of flammable components	Not available
Surface tension at 20 °C:	Not available
Refraction index:	Not available

As for the remaining characteristics, data is not presented because it is not available, in accordance with the registration studies and intrinsic characteristics of the products.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION (>)

11.1 Information on toxicological effects:

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Suspected of damaging the unborn child.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Acute Toxicity (SAP25TE EW):

Acute Oral LD50: >2500 mg/kg b.w. (rats);
Acute Dermal LD50: >2000 mg/kg b.w. (rats)
Acute Inhalation LC50 (4h): 1.04-5.14 mg/l de ar (mice)

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SECTION 11: TOXICOLOGICAL INFORMATION (>) (continued)

Acute effects (Tebuconazol):

Skin corrosion/ irritation: Non irritant
Serious eye damage/irritation: Non irritant
Respiratory sensitisation: No information available
Skin sensitisation: Not a skin sensitizer (guinea pigs)

Acute effects (SAP25TE EW):

Skin corrosion/ irritation: Non irritant (Rabbits)
Serious eye damage/irritation: Irritant (Rabbits)
Respiratory sensitisation: No information available
Skin sensitisation: Skin sensitizer (mouse)

Chronic effects (Tebuconazol):

Mutagenicity: Not observed
Carcinogenicity: Not observed
Reproductive toxicity: Probable developmental toxic effects STOT- single exposure: Not demonstrated
STOT- repeated exposure: Not demonstrated
Aspiration hazard: No information available

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Tebuconazol	LD50 oral	1700 mg/kg b.w 3000 mg/kg b.w 4000 b.w. mg/kg	Female rats Mice Male rats
CAS: 107534-96-3	LD50 dermal	>2000 mg/kg	
EC: 403-640-2	LC50 inhalation	>5 mg/L (4 h)	
N,N-dimethyldecan-1-amide	LD50 oral	2500 mg/kg	Rat
CAS: 14433-76-2	LD50 dermal	>2000 mg/kg	
EC: 238-405-1	LC50 inhalation	>20 mg/L (4 h)	

11.2 Information on other hazards:

There are no known endocrine disrupting properties.

SECTION 12: ECOLOGICAL INFORMATION (>)

12.1 Toxicity:

Identification	Acute toxicity		Species	Genus
N,N-dimethyldecan-1-amide	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 14433-76-2	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 238-405-1	EC50	>10 - 100 mg/L (72 h)		Algae
Tebuconazol	LC50	4.4 mg/L (96 h)	rainbow trout	Fish
CAS: 107534-96-3	EC50	2.79 mg/L (48 h)	<i>Daphnia magna</i>	Crustacean
EC: 403-640-2	EC50	5.3 mg/l 3.8 mg/l	scenedesmus subspicatus selenastrum capricornutum	Algae

Acute toxicity:

Fish acute LC50 (96 h): 13.7 mgF.P/l (Oncorhynchus mykiss) (SAP25TE EW)
Aquatic invertebrates acute EC50 (48 h): 4.27mg FP/l (Daphnia magna) (SAP25TE EW)
Algae acute ErC50 (72 h): 7.79 mg FP/l (Desmodesmus subspicatus) (SAP25TE EW)
Birds acute Oral LD50: 1988 mg/kg b.w. (bobwhite quail) (Tebuconazol)
Bee oral LD50: > 83.05 µg/bee (Tebuconazol)
Bee contact LD50: > 200 µg/bee (Tebuconazol); 87.59 µg FP/bee (SAP25TE EW)
Aquatic plants CE50 (7 d): 0.144 mg/l (lemna minor) (Tebuconazol)

Chronic toxicity (Tebuconazol):

Fish chronic NOEC (83 d) 0.012 mg/l (rainbow trout)
Aquatic invertebrates chronic NOEC (21 d): 0.010 mg /l (daphnia magna)
Algae chronic NOEC (96 h): NA

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SECTION 12: ECOLOGICAL INFORMATION (>) (continued)

12.2 Persistence and degradability:

(Tebuconazol)
Very persistent in soil. Typical DT50: 62 d. Lab DT50: 365. Field DT50: 55.8 d.

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Tebuconazol	BCF	140
CAS: 107534-96-3	Pow Log	3.5
EC: 403-640-2	Potential	High

(Tebuconazol):
Baixo potencial de bioacumulação. BCF: 78.

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Tebuconazol	Koc	1023	Henry	1,419E-5 Pa·m ³ /mol
CAS: 107534-96-3	Conclusion	Low	Dry soil	No
EC: 403-640-2	Surface tension	Non-applicable	Moist soil	No

(Tebuconazol):
High to low mobility in soil.

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Disrupting properties of the endocrine system:

There are no known endocrine disrupting properties.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
02 01 08*	agrochemical waste containing hazardous substances	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP10 Toxic for reproduction, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

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SECTION 14: TRANSPORT INFORMATION (continued)

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



- 14.1 UN number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazol)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
Special regulations: 274, 335, 375, 601
Tunnel restriction code: (-)
Physico-Chemical properties: see section 9
Limited quantities: 5 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 39-18:



- 14.1 UN number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazol)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Marine pollutant:** Yes
- 14.6 Special precautions for user**
Special regulations: 335, 969, 274
EmS Codes: F-A, S-F
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:

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SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazol)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Tebuconazol.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Tebuconazol (Product-type 7, 8, 10)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
E1	ENVIRONMENTAL HAZARDS	100	200

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Restriction n.º 3 – Not Applicable, based on the uses mentioned on the section 1.2.

Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION (>)

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2020/878).



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SECTION 16: OTHER INFORMATION (>) (continued)

Texts of the legislative phrases mentioned in section 2:

H332: Harmful if inhaled.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H361d: Suspected of damaging the unborn child.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Repr. 2: H361d - Suspected of damaging the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 3: H335 - May cause respiratory irritation.

Classification Procedure:

Acute Tox.4: Based on test data
Aquatic Acute 1: Calculation method
Aquatic Chronic 1: Calculation method
Eye Irrit. 2: Based on test data
Repr. 2: Calculation method
Skin Sens. 1B: Based on test data

Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
K_{oc}: Partition coefficient of organic carbon

Other information:

Revision Content: Sections / subsections marked with (>) have changed from previous version.

Cod .: PF-338-C (RO) (SAP 25 PE EW)- Ref. VER02 CORE

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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -