

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Straxan

Version	Revision Date:	SDS Number:	Date of last issue: 09/29/2023
2.0	01/07/2025	750075100496	Date of first issue: 09/29/2023

Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of Canada and may not meet the regulatory requirements in other countries.

### SECTION 1. IDENTIFICATION

Product name : Straxan  
Other means of identification : No data available

#### Manufacturer or supplier's details

##### COMPANY IDENTIFICATION

**Manufacturer/importer** : CORTEVA AGRISCIENCE CANADA COMPANY  
SUITE 240, 115 QUARRY PARK RD. SE  
CALGARY AB, T2C 5G9  
CANADA  
**Customer Information** : 800-667-3852  
**Number**  
**E-mail address** : solutions@corteva.com

**Emergency telephone** : Corteva Canada Solutions: 1-800-667-3852  
**number**

#### Recommended use of the chemical and restrictions on use

Recommended use : End use fungicide product

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Skin sensitisation : Category 1

Germ cell mutagenicity : Category 2

Reproductive toxicity : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.  
H341 Suspected of causing genetic defects.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing mist or vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
metalaxyl (ISO)	metalaxyl (ISO)	57837-19-1	1.22
difenoconazole (ISO)	difenoconazole (ISO)	119446-68-3	3.58
Tebuconazole	Tebuconazole	107534-96-3	0.44
Propylene glycol	Propylene glycol	57-55-6	4.26

## SECTION 4. FIRST AID MEASURES

- If inhaled : Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.
- In case of skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- In case of eye contact : Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
- If swallowed : Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : Mild eye irritant
- Notes to physician : Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray  
Alcohol-resistant foam

Unsuitable extinguishing media : None known.

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| Specific hazards during fire-fighting         | : | Exposure to combustion products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                 | : | During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to:<br>Carbon oxides<br>Nitrogen oxides (NOx) |
| Specific extinguishing methods                | : | Remove undamaged containers from fire area if it is safe to do so.<br>Evacuate area.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers.          |
| Further information                           | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.                                  |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.  |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |   |  |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.   |
| Environmental precautions   | : | If the product contaminates rivers and lakes or drains inform respective authorities.<br>Discharge into the environment must be avoided.<br>Prevent further leakage or spillage if safe to do so.<br>Prevent spreading over a wide area (e.g. by containment or oil barriers).<br>Retain and dispose of contaminated wash water.<br>Local authorities should be advised if significant spillages cannot be contained.<br>Prevent from entering into soil, ditches, sewers, underwater.<br>See Section 12, Ecological Information.  |
| Methods and materials for containment and cleaning up               | : | Clean up remaining materials from spill with suitable absorbent.<br>Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in.<br>For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped,<br>Recovered material should be stored in a vented container.<br>The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container.<br>Keep in suitable, closed containers for disposal. |

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Wipe up with absorbent material (e.g. cloth, fleece).  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
See Section 13, Disposal Considerations, for additional information.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Do not breathe vapours/dust.  
Do not smoke.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid exposure - obtain special instructions before use.  
Smoking, eating and drinking should be prohibited in the application area.  
Do not get on skin or clothing.  
Avoid inhalation of vapour or mist.  
Do not swallow.  
Avoid contact with skin and eyes.  
Avoid contact with eyes.  
Take care to prevent spills, waste and minimize release to the environment.  
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Conditions for safe storage : Store in a closed container.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Keep in properly labelled containers.  
Store in accordance with the particular national regulations.

Materials to avoid : Strong oxidizing agents  
Packaging material : Unsuitable material: None known.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propylene glycol	57-55-6	TWA (Vapour and aerosols)	50 ppm 155 mg/m <sup>3</sup>	CA ON OEL
		TWA (aerosol)	10 mg/m <sup>3</sup>	CA ON OEL

**Engineering measures** : Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (local exhaust), and control of process conditions.

#### Personal protective equipment

Respiratory protection : Wear NIOSH approved air-purifying respirator with an organic vapor cartridge and/or dust/mist filter.

Hand protection

Remarks : Chemical-resistant gloves Wash and dry hands.  
Eye protection : Wear safety glasses or coverall chemical splash goggles.

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Skin and body protection	: Ensure that eyewash stations and safety showers are close to the workstation location.
Protective measures	: Avoid all skin contact. Selection of specific personal protective equipment such as long sleeves, safety glasses with side shields, face shield, safety shoes, boots, apron, or full body suit will depend on the task.
	: All Personal Protection Equipment should be checked before use to confirm it is compatible with the chemicals you are handling.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Colour	: red
Odour	: alcohol-like
Odour Threshold	: No data available
pH	: 6.1
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: > 91.4 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 1.055 g/mL (20 °C)
Solubility(ies)	
Water solubility	: No data available
Auto-ignition temperature	: No data available
Viscosity	
Viscosity, kinematic	: 325.6 cSt (20 °C)
Explosive properties	: No data available
Oxidizing properties	: No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: No decomposition if stored and applied as directed. Stable under normal conditions.
Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned. None known.
Conditions to avoid	: None known.
Incompatible materials	: Strong oxidizing agents Bases Acids
Hazardous decomposition products	: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon oxides Nitrogen oxides (NOx)

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 2.06 mg/l Exposure time: 4 h Test atmosphere: dust/mist Symptoms: No deaths occurred at this concentration. Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rat): > 5,000 mg/kg

#### Components:

##### metalaxyl (ISO):

Acute oral toxicity	: LD50 (Rat): 669 mg/kg
Acute inhalation toxicity	: Remarks: Brief exposure to dust is not likely to cause adverse effects. Dust may cause irritation to upper respiratory tract (nose and throat).  LC50 (Rat): > 3.6 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rabbit): > 6,000 mg/kg

##### difenoconazole (ISO):

Acute oral toxicity	: LD50 (Rat, male and female): 1,453 mg/kg
Acute inhalation toxicity	: LC50 (Rat, male and female): 3,300 mg/m3 Exposure time: 4 h Test atmosphere: dust/mist

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Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,010 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **Tebuconazole:**

Acute oral toxicity : LD50 (Rat, female): 1,700 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5.1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: OECD Test Guideline 402

### **Propylene glycol:**

Acute oral toxicity : LD50 (Rat): > 20,000 mg/kg

Acute inhalation toxicity : LC50 (Rabbit): 317.042 mg/l  
Exposure time: 2 h  
Test atmosphere: dust/mist  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Mist may cause irritation of upper respiratory tract (nose and throat).

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute dermal toxicity

### **Skin corrosion/irritation**

#### **Components:**

##### **metalaxyl (ISO):**

Result : No skin irritation

##### **difenoconazole (ISO):**

Species : Rabbit  
Result : No skin irritation

##### **Propylene glycol:**

Species : Rabbit  
Result : No skin irritation

### **Serious eye damage/eye irritation**

#### **Components:**

##### **metalaxyl (ISO):**

Result : No eye irritation

##### **difenoconazole (ISO):**

Species : Rabbit  
Result : Eye irritation

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### Propylene glycol:

Species	:	Rabbit
Result	:	No eye irritation

### Respiratory or skin sensitisation

#### Product:

Assessment	:	Does not cause skin sensitisation.
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#### Components:

##### **metalaxyl (ISO):**

Species	:	Guinea pig
Result	:	May cause sensitisation by skin contact.

##### **difenoconazole (ISO):**

Species	:	Guinea pig
Result	:	Does not cause skin sensitisation.

##### **Tebuconazole:**

Species	:	Guinea pig
Result	:	Does not cause skin sensitisation.

### Propylene glycol:

Species	:	Humans
Result	:	Does not cause skin sensitisation.

### Germ cell mutagenicity

#### Components:

##### **metalaxyl (ISO):**

Germ cell mutagenicity - Assessment	:	In vitro genetic toxicity studies were negative., Animal genetic toxicity studies were negative.
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##### **difenoconazole (ISO):**

Germ cell mutagenicity - Assessment	:	In vitro genetic toxicity studies were negative.
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##### **Propylene glycol:**

Germ cell mutagenicity - Assessment	:	In vitro genetic toxicity studies were negative., Animal genetic toxicity studies were negative.
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### Carcinogenicity

#### Components:

##### **metalaxyl (ISO):**

Carcinogenicity - Assessment	:	Did not cause cancer in laboratory animals.
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##### **difenoconazole (ISO):**

Carcinogenicity - Assessment	:	Did not cause cancer in laboratory animals.
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##### **Tebuconazole:**

Carcinogenicity - Assessment	:	Did not cause cancer in laboratory animals.
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##### **Propylene glycol:**

Carcinogenicity - Assessment	:	Did not cause cancer in laboratory animals.
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### Reproductive toxicity

#### Components:

##### **metalaxyl (ISO):**



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| Reproductive toxicity - Assessment  | : | In animal studies, did not interfere with reproduction., In animal studies, did not interfere with fertility.<br>Did not cause birth defects in laboratory animals.                            |
| <b>Tebuconazole:</b><br>Reproductive toxicity - Assessment  | : | In animal studies, has been shown to interfere with reproduction., Suspected human reproductive toxicant   |
| <b>Propylene glycol:</b><br>Reproductive toxicity - Assessment  | : | In animal studies, did not interfere with reproduction., In animal studies, did not interfere with fertility.<br>Did not cause birth defects or any other fetal effects in laboratory animals. |
| <b>STOT - single exposure Components:</b><br><b>metalaxyl (ISO):</b><br>Assessment  | : | Evaluation of available data suggests that this material is not an STOT-SE toxicant.   |
| <b>difenoconazole (ISO):</b><br>Assessment  | : | Available data are inadequate to determine single exposure specific target organ toxicity.   |
| <b>Tebuconazole:</b><br>Assessment  | : | Evaluation of available data suggests that this material is not an STOT-SE toxicant.   |
| <b>Propylene glycol:</b><br>Assessment  | : | Evaluation of available data suggests that this material is not an STOT-SE toxicant.   |
| <b>STOT - repeated exposure Components:</b><br><b>difenoconazole (ISO):</b><br>Assessment   | : | Evaluation of available data suggests that this material is not an STOT-RE toxicant.   |
| <b>Repeated dose toxicity Components:</b><br><b>metalaxyl (ISO):</b><br>Remarks   | : | Based on available data, repeated exposures are not anticipated to cause significant adverse effects.  |
| <b>Tebuconazole:</b><br>Remarks   | : | No relevant data found.  |
| <b>Propylene glycol:</b><br>Remarks   | : | In rare cases, repeated excessive exposure to propylene glycol may cause central nervous system effects.   |
| <b>Aspiration toxicity Components:</b><br><b>metalaxyl (ISO):</b><br>Based on physical properties, not likely to be an aspiration hazard. |   |  |
| <b>difenoconazole (ISO):</b><br>Based on physical properties, not likely to be an aspiration hazard.                                      |   |  |
| <b>Tebuconazole:</b><br>Based on physical properties, not likely to be an aspiration hazard.  |   |  |
| <b>Propylene glycol:</b><br>Based on physical properties, not likely to be an aspiration hazard.  |   |  |

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### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Product:

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

##### Components:

##### **metalaxyl (ISO):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 28 mg/l  
Exposure time: 48 h

EC50 (eastern oyster (Crassostrea virginica)): 4.6 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Algae): 33 mg/l  
Exposure time: 120 h

Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg  
Exposure time: 14 d

Toxicity to terrestrial organisms : Remarks: Material is slightly toxic to birds on an acute basis (LD50 between 501 and 2000 mg/kg)., Material is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm).

oral LD50 (Coturnix japonica (Japanese quail)): 923 mg/kg bodyweight.

oral LD50 (Anas platyrhynchos (Mallard duck)): 1466 mg/kg bodyweight.

dietary LC50 (Anas platyrhynchos (Mallard duck)): > 10000 mg/kg diet.

oral LD50 (Apis mellifera (bees)): 269.3 µg/bee

contact LD50 (Apis mellifera (bees)): > 200 µg/bee

##### **difenoconazole (ISO):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.891 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.77 mg/l  
Exposure time: 48 h

EC50 (Americamysis bahia (mysid shrimp)): 0.15 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 0.0876 mg/l  
Exposure time: 72 h

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	EC50 (Navicula pelliculosa (Diatom)): 0.091 mg/l Exposure time: 72 h
	NOEC (Navicula pelliculosa (Diatom)): 0.053 mg/l Exposure time: 72 h
Toxicity to fish (Chronic toxicity)	: NOEC (Pimephales promelas (fathead minnow)): 0.0076 mg/l Exposure time: 34 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 0.0056 mg/l Exposure time: 21 d
	NOEC (Americamysis bahia (mysid shrimp)): 0.0023 mg/l Exposure time: 28 d
Toxicity to microorganisms	: (activated sludge): > 100 mg/l Exposure time: 3 h
<b>Tebuconazole:</b> Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 4.4 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 or Equivalent
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 2.8 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 or Equivalent
Toxicity to algae/aquatic plants	: ErC50 (Algae (Selenastrum capricornutum)): 3.8 mg/l End point: Growth rate Exposure time: 72 h Method: Method Not Specified.
	ErC50 (Lemna gibba): 0.237 mg/l Exposure time: 7 d
	EC10 (Lemna gibba): 0.036 mg/l Exposure time: 7 d
Toxicity to fish (Chronic toxicity)	: NOEC (Rainbow trout (Salmo gairdneri)): 0.012 mg/l Exposure time: 21 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 0.01 mg/l Exposure time: 21 d
<b>Propylene glycol:</b> Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: LC50 (Ceriodaphnia dubia (water flea)): 18,340 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: ErC50 (Pseudokirchneriella subcapitata (green algae)): 19,000 mg/l End point: Growth rate inhibition

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Exposure time: 96 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia dubia (water flea)): 13,020 mg/l  
End point: number of offspring  
Exposure time: 7 d  
Test Type: semi-static test

Toxicity to microorganisms : NOEC (Pseudomonas putida): > 20,000 mg/l  
Exposure time: 18 h

### Persistence and degradability

#### Components:

##### metalaxyl (ISO):

Biodegradability : Result: Not biodegradable  
Remarks: Degradation is expected in the soil environment within days to weeks.  
Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

##### difenoconazole (ISO):

Biodegradability : Result: Not biodegradable

Stability in water : Degradation half life: 1 d

##### Tebuconazole:

Biodegradability : Result: Not biodegradable

##### Propylene glycol:

Biodegradability : aerobic  
Result: Readily biodegradable.  
Biodegradation: 81 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F or Equivalent  
Remarks: 10-day Window: Pass

Result: Readily biodegradable.  
Biodegradation: 96 %  
Exposure time: 64 d  
Method: OECD Test Guideline 306 or Equivalent  
Remarks: 10-day Window: Not applicable

Biochemical Oxygen Demand (BOD) : 69.000 %  
Incubation time: 5 d

70.000 %  
Incubation time: 10 d

86.000 %  
Incubation time: 20 d

Chemical Oxygen Demand (COD) : 1.53 kg/kg

ThOD : 1.68 kg/kg

Photodegradation : Rate constant: 1.28E-11 cm<sup>3</sup>/s  
Method: Estimated.

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### Bioaccumulative potential

#### Components:

##### **metalaxyl (ISO):**

Partition coefficient: n-octanol/water : log Pow: 1.75 (25 °C)  
Remarks: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

##### **difenoconazole (ISO):**

Bioaccumulation : Remarks: Bioaccumulative potential

Partition coefficient: n-octanol/water : log Pow: 4.4 (25 °C)

##### **Tebuconazole:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF): 78

Partition coefficient: n-octanol/water : log Pow: 3.49  
Remarks: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

##### **Propylene glycol:**

Bioaccumulation : Bioconcentration factor (BCF): 0.09  
Method: Estimated.

Partition coefficient: n-octanol/water : log Pow: -1.07  
Method: Measured  
Remarks: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

### Mobility in soil

#### Components:

##### **metalaxyl (ISO):**

Distribution among environmental compartments : Koc: 29.6 - 283.8  
Remarks: Potential for mobility in soil is very high (Koc between 0 and 50).

Stability in soil :

##### **Tebuconazole:**

Distribution among environmental compartments : Remarks: No relevant data found.

##### **Propylene glycol:**

Distribution among environmental compartments : Koc: < 1  
Method: Estimated.  
Remarks: Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process.  
Potential for mobility in soil is very high (Koc between 0 and 50).

### Other adverse effects

#### Components:

##### **metalaxyl (ISO):**

Results of PBT and vPvB assessment : Substance is not persistent, bioaccumulative, and toxic (PBT).  
Substance is not very persistent and very bioaccumulative (vPvB).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

##### **difenoconazole (ISO):**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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### Tebuconazole:

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

### Propylene glycol:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number	: UN 3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Difenoconazole, Tebuconazole)
Class	: 9
Packing group	: III
Labels	: 9
Environmentally hazardous	: yes

#### IATA-DGR

UN/ID No.	: UN 3082
Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (Difenoconazole, Tebuconazole)
Class	: 9
Packing group	: III
Labels	: Miscellaneous
Packing instruction (cargo aircraft)	: 964
Packing instruction (passenger aircraft)	: 964

#### IMDG-Code

UN number	: UN 3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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(Difenoconazole, Tebuconazole)

Class	:	9
Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes(Difenoconazole, Tebuconazole)
Remarks	:	Stowage category A

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### TDG

UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Difenoconazole, Tebuconazole)
Class	:	9
Packing group	:	III
Labels	:	9
ERG Code	:	171
Marine pollutant	:	yes(Difenoconazole, Tebuconazole)

### Further information

Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA Special provision A197, and ADR/RID special provision 375.

For Canadian Ground transportation TDG Exemption: 1.45.1 Marine Pollutants (Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, do not apply if they are in transport solely on land by road vehicle or railway vehicle).

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### The components of this product are reported in the following inventories:

DSL	:	This product contains components that are not listed on the Canadian DSL nor NDSL.
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Pest Control Products Act ( PCPA ) Registration Number : 34928

Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control products label:

PCPA Label Hazard Communications:

Read the label and booklet before using. Keep out of reach of children.



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Harmful if swallowed  
This product is toxic to:  
Aquatic organisms  
Birds  
Small wild mammals

### SECTION 16. OTHER INFORMATION

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

#### Full text of other abbreviations

CA ON OEL : Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.  
CA ON OEL / TWA : Time-Weighted Average Limit (TWA)

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; ECx - Concentration associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - not otherwise specified; NOEC - Non-Observed Effective Concentration; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; (Q)SAR - (Quantitative) Structure Activity Relationship; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SDS - Safety Data Sheet; UN - United Nations.

DSL - Domestic substances List. WHMIS - Workplace Hazardous Materials Information System.

Revision Date : 01/07/2025  
Date format : mm/dd/yyyy

Product code: 3PP-Straxan

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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