

**MERIDIAN TURF INSECTICIDE**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 07.10.2021  |
| 7.0     | 17.08.2026     | S1375444615 | Date of first issue: 07.10.2021 |

**SECTION 1: IDENTIFICATION**

Product name : MERIDIAN TURF INSECTICIDE

Design code : A9584C

**Manufacturer or supplier's details**Company : Syngenta Australia Pty Ltd (ABN 33 002 933 717)  
www.syngenta.com.auAddress : 2 Lyonpark Road  
Macquarie Park NSW 2113  
Australia

Telephone : (02) 8014 5200

Emergency telephone number : 13 11 26 (Poison Information Centre)  
1800 033 111 (Syngenta)

Telefax : (02) 8876 8446

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

Recommended use : Insecticide

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Not a hazardous substance or mixture.

**GHS label elements**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

**Other hazards which do not result in classification**

May form combustible dust concentrations in air.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

| Chemical name                                 | CAS-No.     | Concentration (% w/w) |
|-----------------------------------------------|-------------|-----------------------|
| starch                                        | 9005-25-8   | >= 30 -< 60           |
| thiamethoxam (ISO)                            | 153719-23-4 | >= 10 -< 30           |
| lignosulfonic acid, ethoxylated, sodium salts | 68611-14-3  | < 10                  |
| silica                                        | 61790-53-2  | < 10                  |
| sodium dodecyl sulphate                       | 151-21-3    | >= 3 -< 10            |

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**SECTION 4. FIRST AID MEASURES**

- |                                                             |   |                                                                                                                                                                                                       |
|-------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice                                              | : | Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.                                      |
| If inhaled                                                  | : | Move the victim to fresh air.<br>If breathing is irregular or stopped, administer artificial respiration.<br>Keep patient warm and at rest.<br>Call a physician or poison control centre immediately. |
| In case of skin contact                                     | : | Take off all contaminated clothing immediately.<br>Wash off immediately with plenty of water.<br>If skin irritation persists, call a physician.<br>Wash contaminated clothing before re-use.          |
| In case of eye contact                                      | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Remove contact lenses.<br>Immediate medical attention is required.                                        |
| If swallowed                                                | : | If swallowed, seek medical advice immediately and show this container or label.<br>Do NOT induce vomiting.                                                                                            |
| Most important symptoms and effects, both acute and delayed | : | Nonspecific<br>No symptoms known or expected.                                                                                                                                                         |
| Notes to physician                                          | : | There is no specific antidote available.<br>Treat symptomatically.                                                                                                                                    |

**SECTION 5. FIREFIGHTING MEASURES**

- |                                       |   |                                                                                                                                                                                                                            |
|---------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media          | : | Extinguishing media - small fires<br>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.<br>Extinguishing media - large fires<br>Alcohol-resistant foam<br>or<br>Water spray                          |
| Unsuitable extinguishing media        | : | Do not use a solid water stream as it may scatter and spread fire.                                                                                                                                                         |
| Specific hazards during fire-fighting | : | As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).<br>Exposure to decomposition products may be a hazard to health. |
| Hazardous combustion products         | : | Carbon oxides<br>Nitrogen oxides (NOx)<br>Chlorine compounds<br>Sulphur oxides                                                                                                                                             |
| Specific extinguishing methods        | : | Do not allow run-off from fire fighting to enter drains or water courses.<br>Cool closed containers exposed to fire with water spray.                                                                                      |

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Special protective equipment : Wear full protective clothing and self-contained breathing apparatus for firefighters

Hazchem Code : 2Z

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). Do not create a powder cloud by using a brush or compressed air. Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.

Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep out of the reach of children.  
Keep away from food, drink and animal feedingstuffs.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

| Components | CAS-No. | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis |
|------------|---------|----------------------------------|------------------------------------------------|-------|
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|                    |             |     |          |          |
|--------------------|-------------|-----|----------|----------|
| starch             | 9005-25-8   | TWA | 10 mg/m3 | AU OEL   |
|                    |             | TWA | 10 mg/m3 | ACGIH    |
| thiamethoxam (ISO) | 153719-23-4 | TWA | 5 mg/m3  | Syngenta |
| silica             | 61790-53-2  | TWA | 10 mg/m3 | AU OEL   |

**Engineering measures** : THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards.

Where necessary, seek additional occupational hygiene advice.

### Personal protective equipment

**Respiratory protection** : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Hand protection

**Material** : Nitrile rubber  
**Break through time** : > 480 min  
**Glove thickness** : 0.5 mm

**Remarks** : Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

**Eye protection** : No special protective equipment required.  
**Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Remove and wash contaminated clothing before re-use.

Wear as appropriate:

Dust impervious protective suit

**Protective measures** : The use of technical measures should always have priority

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over the use of personal protective equipment.  
When selecting personal protective equipment, seek appropriate professional advice.

Personal protective equipment should comply with relevant national standards

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                                  |   |                                                                                           |
|--------------------------------------------------|---|-------------------------------------------------------------------------------------------|
| Appearance                                       | : | granules                                                                                  |
| Colour                                           | : | beige to brown                                                                            |
| Odour                                            | : | musty                                                                                     |
| Odour Threshold                                  | : | No data available                                                                         |
| pH                                               | : | 7 - 11<br>Concentration: 1 %w/v                                                           |
| Melting point/freezing point                     | : | No data available                                                                         |
| Initial boiling point and boiling range          | : | No data available                                                                         |
| Flash point                                      | : | No data available                                                                         |
| Evaporation rate                                 | : | No data available                                                                         |
| Flammability (solid, gas)                        | : | May form combustible dust concentrations in air., Not classified as a flammability hazard |
| Burning number                                   | : | 5 (100 °C)<br>2 (20 °C)                                                                   |
| 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                                                                         |
| Density                                          | : | No data available                                                                         |
| Bulk density                                     | : | 0.42 - 0.52 g/cm <sup>3</sup>                                                             |
| Solubility(ies)                                  | : |                                                                                           |
| Water solubility                                 | : | No data available                                                                         |
| Solubility in other solvents                     | : | not soluble                                                                               |
| Partition coefficient: n-                        | : | No data available                                                                         |

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octanol/water  
Auto-ignition temperature : > 120 °C

Decomposition temperature : No data available

Minimum ignition temperature : 400 °C

Viscosity  
Viscosity, dynamic : No data available  
Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Self-heating substances : The substance or mixture is not classified as self heating.

Surface tension : 43.0 - 50.4 mN/m, 0.600 g/l, 20 °C

Minimum ignition energy : 30 - 100 mJ

Particle characteristics  
Particle size : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : None reasonably foreseeable.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Stable at normal ambient temperature and pressure.  
Hazardous polymerisation does not occur.  
At elevated temperatures it will undergo rapid, gas evolving thermal decomposition.  
No dangerous reaction known under conditions of normal use.

Conditions to avoid : No decomposition if used as directed.

Incompatible materials : None known.

Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapours.  
No hazardous decomposition products are known.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Exposure routes : Ingestion  
Inhalation  
Skin contact  
Eye contact

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Product:**

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Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.29 g/m<sup>3</sup>  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

**Components:****thiamethoxam (ISO):**

Acute oral toxicity : LD50 (Rat, male and female): 1,563 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 3.72 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

**sodium dodecyl sulphate:**

Acute oral toxicity : LD50 (Rat): > 500 - 2,000 mg/kg

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Product:**

Species : Rabbit  
Result : No skin irritation

**Components:****thiamethoxam (ISO):**

Species : Rabbit  
Result : No skin irritation

**lignosulfonic acid, ethoxylated, sodium salts:**

Result : Irritating to skin.

**sodium dodecyl sulphate:**

Result : Irritating to skin.

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**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Product:**

|         |   |                   |
|---------|---|-------------------|
| Species | : | Rabbit            |
| Result  | : | No eye irritation |

**Components:****thiamethoxam (ISO):**

|         |   |                   |
|---------|---|-------------------|
| Species | : | Rabbit            |
| Result  | : | No eye irritation |

**lignosulfonic acid, ethoxylated, sodium salts:**

|        |   |                |
|--------|---|----------------|
| Result | : | Eye irritation |
|--------|---|----------------|

**sodium dodecyl sulphate:**

|        |   |                                 |
|--------|---|---------------------------------|
| Result | : | Risk of serious damage to eyes. |
|--------|---|---------------------------------|

**Respiratory or skin sensitisation****Skin sensitisation**

Based on available data, the classification criteria are not met.

**Respiratory sensitisation**

Not classified due to lack of data.

**Product:**

|           |   |                                    |
|-----------|---|------------------------------------|
| Test Type | : | Maximisation Test                  |
| Species   | : | Guinea pig                         |
| Result    | : | Does not cause skin sensitisation. |

**Components:****thiamethoxam (ISO):**

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

**Chronic toxicity****Germ cell mutagenicity**

Not classified due to lack of data.

**Components:****thiamethoxam (ISO):**

|                                     |   |                                                    |
|-------------------------------------|---|----------------------------------------------------|
| Germ cell mutagenicity - Assessment | : | Animal testing did not show any mutagenic effects. |
|-------------------------------------|---|----------------------------------------------------|

**Carcinogenicity**

Not classified due to lack of data.

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**Components:****thiamethoxam (ISO):**

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

**Reproductive toxicity**

Not classified due to lack of data.

**Components:****thiamethoxam (ISO):**

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

No effects on or via lactation

**STOT - single exposure**

Not classified due to lack of data.

**Components:****thiamethoxam (ISO):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**lignosulfonic acid, ethoxylated, sodium salts:**

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**sodium dodecyl sulphate:**

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**STOT - repeated exposure**

Not classified due to lack of data.

**Components:****thiamethoxam (ISO):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration toxicity**

Not classified due to lack of data.

**Components:****thiamethoxam (ISO):**

No aspiration toxicity classification

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**Endocrine disrupting properties****Components:****thiamethoxam (ISO):**

Assessment : Does not have endocrine disrupting properties.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

|                                                     |   |                                                                                                                                                                                                                    |
|-----------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                    | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l<br>Exposure time: 96 h                                                                                                                                      |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Chironomus riparius (harlequin fly)): 0.154 mg/l<br>Exposure time: 48 h                                                                                                                                      |
| Toxicity to algae/aquatic plants                    | : | ErC50 (Raphidocelis subcapitata (freshwater green alga)): 100 mg/l<br>Exposure time: 72 h<br><br>NOEC (Raphidocelis subcapitata (freshwater green alga)): 25 mg/l<br>End point: Growth rate<br>Exposure time: 72 h |

**Components:****thiamethoxam (ISO):**

|                                                     |   |                                                                                                                                                                                                                         |
|-----------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                    | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l<br>Exposure time: 96 h                                                                                                                                           |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h<br><br>EC50 (Cloeon sp.): 0.014 mg/l<br>Exposure time: 48 h<br><br>EC50 (Chironomus riparius (harlequin fly)): 0.035 mg/l<br>Exposure time: 48 h   |
| Toxicity to algae/aquatic plants                    | : | ErC50 (Raphidocelis subcapitata (freshwater green alga)): > 81.8 mg/l<br>Exposure time: 72 h<br><br>NOEC (Raphidocelis subcapitata (freshwater green alga)): 81.8 mg/l<br>End point: Growth rate<br>Exposure time: 72 h |

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Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 28 d  
Test Type: flow-through test

NOEC (Oncorhynchus mykiss (rainbow trout)): > 20 mg/l  
Exposure time: 88 d  
Test Type: Early-life Stage

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 100 mg/l  
Exposure time: 21 d

NOEC (Chironomus riparius (Midge larvae)): 0.01 mg/l  
Exposure time: 30 d

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
Exposure time: 3 h

**sodium dodecyl sulphate:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 10 - 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): > 1 - 10 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia dubia (Water flea)): 0.88 mg/l  
Exposure time: 7 d

**Persistence and degradability****Components:****thiamethoxam (ISO):**

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 11 d  
Remarks: Product is not persistent.

**silica:**

Biodegradability : Result: Not readily biodegradable.

**sodium dodecyl sulphate:**

Biodegradability : Result: Readily biodegradable.

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**Bioaccumulative potential****Components:****thiamethoxam (ISO):**

Bioaccumulation : Remarks: Low bioaccumulation potential.

Partition coefficient: n-octanol/water : log Pow: -0.13 (25 °C)

**Mobility in soil****Components:****thiamethoxam (ISO):**

Distribution among environmental compartments : Remarks: Moderately mobile in soils

Stability in soil : Dissipation time: 51 d  
Percentage dissipation: 50 % (DT50)  
Remarks: Product is not persistent.**Other adverse effects****Components:****thiamethoxam (ISO):**

Results of PBT and vPvB assessment : Not persistent, bioaccumulative, and toxic (PBT).

**silica:**

Results of PBT and vPvB assessment : Not persistent, bioaccumulative, and toxic (PBT).

**Endocrine disrupting properties**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste from residues    | : Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Do not dispose of waste into sewer.<br>Where possible recycling is preferred to disposal or incineration.<br>If recycling is not practicable, dispose of in compliance with local regulations.                                                                                                                                                                                                                                                     |
| Contaminated packaging | : Non-returnable containers:<br>Triple rinse containers.<br>Add rinsings to spray tank<br>If recycling, replace cap and return clean containers to recycler or designated collection point. Containers marked with the drumMUSTER container logo can be taken to a drumMUSTER collection site (02 6206 6868, <a href="http://www.drummuster.org.au">www.drummuster.org.au</a> ). Empty containers can be landfilled, when in accordance with the local regulations.<br>If no landfill is available, bury the containers below 500 mm in |

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a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Returnable containers:

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

|                           |   |                                                                                                                                                                                                                                  |
|---------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN number                 | : | UN 3077                                                                                                                                                                                                                          |
| Proper shipping name      | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (THIAMETHOXAM)                                                                                                                                                                |
| Class                     | : | 9                                                                                                                                                                                                                                |
| Packing group             | : | III                                                                                                                                                                                                                              |
| Labels                    | : | 9                                                                                                                                                                                                                                |
| Environmentally hazardous | : | yes                                                                                                                                                                                                                              |
| Remarks                   | : | This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids. |

##### IATA-DGR

|                                          |   |                                                                                                                                                                                                                                  |
|------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN/ID No.                                | : | UN 3077                                                                                                                                                                                                                          |
| Proper shipping name                     | : | Environmentally hazardous substance, solid, n.o.s. (THIAMETHOXAM)                                                                                                                                                                |
| Class                                    | : | 9                                                                                                                                                                                                                                |
| Packing group                            | : | III                                                                                                                                                                                                                              |
| Labels                                   | : | Miscellaneous                                                                                                                                                                                                                    |
| Packing instruction (cargo aircraft)     | : | 956                                                                                                                                                                                                                              |
| Packing instruction (passenger aircraft) | : | 956                                                                                                                                                                                                                              |
| Environmentally hazardous                | : | yes                                                                                                                                                                                                                              |
| Remarks                                  | : | This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids. |

##### IMDG-Code

|                      |   |                                                                                                                                                                                                                                  |
|----------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN number            | : | UN 3077                                                                                                                                                                                                                          |
| Proper shipping name | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (THIAMETHOXAM)                                                                                                                                                                |
| Class                | : | 9                                                                                                                                                                                                                                |
| Packing group        | : | III                                                                                                                                                                                                                              |
| Labels               | : | 9                                                                                                                                                                                                                                |
| EmS Code             | : | F-A, S-F                                                                                                                                                                                                                         |
| Marine pollutant     | : | yes                                                                                                                                                                                                                              |
| Remarks              | : | This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids. |

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

Not applicable for product as supplied.

**National Regulations****ADG**

|                           |                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN number                 | : UN 3077                                                                                                                                                                                                                                                       |
| Proper shipping name      | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (THIAMETHOXAM)                                                                                                                                                                                             |
| Class                     | : 9                                                                                                                                                                                                                                                             |
| Packing group             | : III                                                                                                                                                                                                                                                           |
| Labels                    | : 9                                                                                                                                                                                                                                                             |
| Hazchem Code              | : 2Z                                                                                                                                                                                                                                                            |
| Environmentally hazardous | : yes                                                                                                                                                                                                                                                           |
| Remarks                   | : Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the Australian Dangerous Goods Code when transported by road or rail in: packagings, IBC's, or any other receptacle not exceeding 500 kg / 500 litres. |

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

|                                                             |                                                                                                                                                                                 |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Therapeutic Goods (Poisons Standard) Instrument             | : Schedule 5 (Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical)                       |
| Prohibition/Licensing Requirements                          | : There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations. |
| National Code of Practice for Chemicals of Security Concern | : Not listed                                                                                                                                                                    |
| Product Registration Number                                 | : APVMA Approval No. 58185                                                                                                                                                      |

**SECTION 16: ANY OTHER RELEVANT INFORMATION**

Revision Date : 17.08.2026  
Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : dd.mm.yyyy

**Full text of other abbreviations**

**MERIDIAN TURF INSECTICIDE**

|         |                |             |                                 |
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|                |   |                                                                    |
|----------------|---|--------------------------------------------------------------------|
| ACGIH          | : | USA. ACGIH Threshold Limit Values (TLV)                            |
| AU OEL         | : | Australia. Workplace Exposure Standards for Airborne Contaminants. |
| Syngenta       | : | Syngenta Occupational Exposure Limit                               |
|                |   |                                                                    |
| ACGIH / TWA    | : | 8-hour, time-weighted average                                      |
| AU OEL / TWA   | : | Exposure standard - time weighted average                          |
| Syngenta / TWA | : | Time weighted average                                              |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; 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; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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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