

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : HEADWAY MAXX

Design code : A14212C

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

Use of the Sub-  
stance/Mixture : Fungicide

#### 1.3 Details of the supplier of the safety data sheet

Company : Syngenta Asia Pacific Pte. Ltd.  
No. 1 HarbourFront Avenue  
#03-03 Keppel Bay Tower  
Singapore 098632

Telephone : +65 6333 6400

Telefax : +65 6338 1594

#### 1.4 Emergency telephone number

Emergency telephone  
number : +65 6334 4366

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

Reproductive toxicity, Category 1B H360Df: May damage the unborn child. Suspected of damaging fertility.

Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.

Chronic aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

## HEADWAY MAXX

Version 7.0      Revision Date: 26.04.2016      SDS Number: S1353078145      This version replaces all previous versions.

Hazard pictograms :



Signal word : Danger

Hazard statements : H319 Causes serious eye irritation.  
H360Df May damage the unborn child. Suspected of damaging fertility.  
H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH401 To avoid risks to human health and the environment, comply with the instructions for use.  
EUH208 Contains propiconazole. May produce an allergic reaction.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P391 Collect spillage.

Hazardous components which must be listed on the label:  
tetrahydro-2-furylmethanol

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
tetrahydro-2-furylmethanol	97-99-4 202-625-6 01-2119968921-26	Eye Irrit. 2; H319 Repr. 1B; H360Df	>= 70 - < 90
poly(oxy-1,2-ethanediyl), -[2,4,6-	99734-09-5	Aquatic Chronic 3; H412	>= 10 - < 20

## HEADWAY MAXX

Version 7.0      Revision Date: 26.04.2016      SDS Number: S1353078145      This version replaces all previous versions.

tris(1-phenylethyl)phenyl]- -hydroxy-			
propiconazole	60207-90-1 262-104-4	Acute Tox. 4; H302 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 2.5 - < 10
azoxystrobin	131860-33-8	Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 3 - < 10

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of 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.  
If breathing is irregular or stopped, administer artificial respiration.  
Keep patient warm and at rest.  
Call a physician or poison control centre immediately.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with plenty of water.  
If skin irritation persists, call a physician.  
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.  
Remove contact lenses.  
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.

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

- Symptoms : No information available.

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

- Treatment : There is no specific antidote available.  
Treat symptomatically.

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

---

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

#### 5.2 Special hazards arising from the substance or mixture

- 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).  
Exposure to decomposition products may be a hazard to health.

#### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.
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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

### 6.4 Reference to other sections

Refer to disposal considerations listed in section 13., Refer to protective measures listed in sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : No special protective measures against fire required.  
Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No special storage conditions required. 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.

Other data : Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

### 7.3 Specific end use(s)

Specific use(s) : For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propiconazole	60207-90-1	TWA	5 mg/m <sup>3</sup>	Syngenta
azoxystrobin	131860-33-8	TWA	4 mg/m <sup>3</sup>	Syngenta

### 8.2 Exposure controls

#### Engineering measures

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.

If airborne mists or vapors are generated, use local exhaust ventilation controls.

Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit.

Where necessary, seek additional occupational hygiene advice.

#### Personal protective equipment

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

- Eye protection : Use eye protection according to EN 166.
- Hand protection
- Material : Nitrile rubber
  - Break through time : > 480 min
  - Glove thickness : 0.5 mm
- Remarks : 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.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- Respiratory protection : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.  
When selecting personal protective equipment, seek appropriate professional advice.  
Personal protective equipment should be certified to appropriate standards.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : light yellow to brown
- Odour : characteristic
- pH : 4 - 8, Concentration: 1 % w/v
- Flash point : 78 °C  
(1003 hPa)
- Density : 1,088 g/cm<sup>3</sup>
- Auto-ignition temperature : 265 °C

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

---

Viscosity  
Viscosity, dynamic : 18 mPa.s (20 °C)

Explosive properties : Not explosive

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

### 9.2 Other information

Surface tension : 38.5 mN/m, 20 °C

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See section 10.3 "Possibility of hazardous reactions".

### 10.2 Chemical stability

The product is stable when used in normal conditions

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazardous reactions by normal handling and storage according to provisions.

### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

### 10.5 Incompatible materials

Materials to avoid : No substances are known which lead to the formation of hazardous substances or thermal reactions.

### 10.6 Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic and irritant vapors.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat, female): 2,176 mg/kg  
Assessment: The component/mixture is low toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat, male and female): > 2.68 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

## HEADWAY MAXX

Version 7.0	Revision Date: 26.04.2016	SDS Number: S1353078145	This version replaces all previous versions.
----------------	------------------------------	----------------------------	--

Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 5,050 mg/kg

### Components:

#### **poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:**

Acute oral toxicity : LD50 Oral (Rat): 5,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity

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

#### **propiconazole:**

Acute oral toxicity : LD50 (Rat, male and female): 1,517 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,800 mg/m3  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat, male and female): > 4,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### **azoxystrobin:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat, female): 0.7 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

LC50 (Rat, male): 0.9 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

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

### **Skin corrosion/irritation**

#### Product:

Species: Rabbit  
Result: No skin irritation

#### Components:

#### **poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:**

Species: Rabbit  
Result: No skin irritation



## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

**propiconazole:**

Species: Rabbit

Result: No skin irritation

**azoxystrobin:**

Species: Rabbit

Result: No skin irritation

### Serious eye damage/eye irritation

**Product:**

Species: Rabbit

Result: Irritation to eyes, reversing within 7 days

**Components:**

**tetrahydro-2-furylmethanol:**

Result: Eye irritation

**poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:**

Species: Rabbit

Result: No eye irritation

**propiconazole:**

Species: Rabbit

Result: No eye irritation

**azoxystrobin:**

Species: Rabbit

Result: No eye irritation

### Respiratory or skin sensitisation

**Product:**

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

**Components:**

**propiconazole:**

Species: Guinea pig

Result: May cause sensitisation by skin contact.

**azoxystrobin:**

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

### Germ cell mutagenicity

**Components:**

**poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:**

Germ cell mutagenicity- As- : In vitro tests did not show mutagenic effects  
essment

**propiconazole:**

## HEADWAY MAXX

Version 7.0	Revision Date: 26.04.2016	SDS Number: S1353078145	This version replaces all previous versions.
----------------	------------------------------	----------------------------	--

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

**azoxystrobin:**

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

### Carcinogenicity

**Components:**

**propiconazole:**

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

**azoxystrobin:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

**Components:**

**tetrahydro-2-furylmethanol:**

Reproductive toxicity - Assessment : Clear evidence of adverse effects on development, based on animal experiments., Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

**propiconazole:**

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility., No toxicity to reproduction

**azoxystrobin:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### Repeated dose toxicity

**Components:**

**propiconazole:**

Remarks: No adverse effect has been observed in chronic toxicity tests.

**azoxystrobin:**

Remarks: No adverse effect has been observed in chronic toxicity tests.

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 10.7 mg/l  
Exposure time: 96 h  
Remarks: Based on test results obtained with similar product.

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.2 mg/l  
Exposure time: 48 h  
Remarks: Based on test results obtained with similar product.

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 8.2 mg/l  
Exposure time: 96 h  
Remarks: Based on test results obtained with similar product.

Ecotoxicology Assessment  
Acute aquatic toxicity : Very toxic to aquatic life.

### **Components:**

#### **poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 21 mg/l  
Exposure time: 96 h

Ecotoxicology Assessment  
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

#### **propiconazole:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.3 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 10.2 mg/l  
Exposure time: 48 h  
  
EC50 (Americamysis bahia (Mysid shrimp)): 0.51 mg/l  
Exposure time: 96 h

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 8.9 mg/l  
Exposure time: 96 h  
  
NOErC (Pseudokirchneriella subcapitata (green algae)): 0.13 mg/l  
Exposure time: 96 h

M-Factor (Acute aquatic toxicity) : 1

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

Toxicity to fish (Chronic toxicity) : NOEC: 0.068 mg/l  
Exposure time: 95 d  
Species: Cyprinodon variegatus (sheepshead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.11 mg/l  
Exposure time: 28 d  
Species: Americamysis bahia (Mysid shrimp)

M-Factor (Chronic aquatic toxicity) : 1

## HEADWAY MAXX

Version 7.0      Revision Date: 26.04.2016      SDS Number: S1353078145      This version replaces all previous versions.

---

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

#### **azoxystrobin:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.47 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.28 mg/l  
Exposure time: 48 h

EC50 (Americamysis bahia (Mysid shrimp)): 0.055 mg/l  
Exposure time: 96 h

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 2 mg/l  
Exposure time: 96 h

NOErC (Pseudokirchneriella subcapitata (green algae)): 0.038 mg/l  
Exposure time: 96 h

ErC50 (Navicula pelliculosa (Freshwater diatom)): 0.301 mg/l  
Exposure time: 96 h

M-Factor (Acute aquatic toxicity) : 10

Toxicity to bacteria : IC50 (Pseudomonas putida): > 3.2 mg/l  
Exposure time: 6 h

Toxicity to fish (Chronic toxicity) : NOEC: 0.16 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)

NOEC: 0.147 mg/l  
Exposure time: 33 d  
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.044 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

NOEC: 0.0095 mg/l  
Exposure time: 28 d  
Species: Americamysis bahia (Mysid shrimp)

M-Factor (Chronic aquatic toxicity) : 10

## 12.2 Persistence and degradability

### Components:

#### **propiconazole:**

Biodegradability : Result: Not readily biodegradable.

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

### azoxystrobin:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 214 d  
Remarks: The substance is stable in water.

### 12.3 Bioaccumulative potential

#### Components:

##### propiconazole:

Bioaccumulation : Remarks: Low to medium mobility in soil.

Partition coefficient: n-octanol/water : log Pow: 3.72 (25 °C)

##### azoxystrobin:

Bioaccumulation : Remarks: Does not bioaccumulate.

### 12.4 Mobility in soil

#### Components:

##### propiconazole:

Distribution among environmental compartments : Remarks: Low to medium mobility in soil.

Stability in soil : Percentage dissipation: 50 % (DT50: 66 - 170 d)  
Remarks: Soil, Not persistent in soil.

##### azoxystrobin:

Distribution among environmental compartments : Remarks: Azoxystrobin has low to very high mobility in soil.

Stability in soil : Percentage dissipation: 50 % (DT50: 80 d)  
Remarks: Not persistent in soil.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### Components:

##### poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:

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)..

##### propiconazole:

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)..

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

### azoxystrobin:

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)..

## 12.6 Other adverse effects

### Product:

Additional ecological information : Remarks: Classification of the product is based on the summation of the concentrations of classified components.

### Components:

#### tetrahydro-2-furylmethanol:

Additional ecological information : Remarks: No data available

#### poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:

Additional ecological information : Remarks: No data available

#### propiconazole:

Additional ecological information : Remarks: No data available

#### azoxystrobin:

Additional ecological information : Remarks: No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

## HEADWAY MAXX

Version 7.0      Revision Date: 26.04.2016      SDS Number: S1353078145      This version replaces all previous versions.

---

### SECTION 14: Transport information

#### 14.1 UN number

**ADN** : UN 3082  
**ADR** : UN 3082  
**RID** : UN 3082  
**IMDG** : UN 3082  
**IATA** : UN 3082

#### 14.2 UN proper shipping name

**ADN** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PROPICONAZOLE AND AZOXYSTROBIN)  
**ADR** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PROPICONAZOLE AND AZOXYSTROBIN)  
**RID** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PROPICONAZOLE AND AZOXYSTROBIN)  
**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PROPICONAZOLE AND AZOXYSTROBIN)  
**IATA** : Environmentally hazardous substance, liquid, n.o.s.  
(PROPICONAZOLE AND AZOXYSTROBIN)

#### 14.3 Transport hazard class(es)

**ADN** : 9  
**ADR** : 9  
**RID** : 9  
**IMDG** : 9  
**IATA** : 9

#### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

**ADR**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (E)

**RID**

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

### IMDG

Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

### IATA

Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : yes

#### ADR

Environmentally hazardous : yes

#### RID

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Other regulations : Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.



## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
7.0	26.04.2016	S1353078145	

### SECTION 16: Other information

#### Full text of H-Statements

H302	: Harmful if swallowed.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H331	: Toxic if inhaled.
H360Df	: May damage the unborn child. Suspected of damaging fertility.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Acute aquatic toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Eye Irrit.	: Eye irritation
Repr.	: Reproductive toxicity
Skin Sens.	: Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; GHS - Globally Harmonized 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 Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

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

## HEADWAY MAXX

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
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