

# SAFETY DATA SHEET

## INECOR® Insecticide



Version 1.0 Revision Date: 10.10.2022 SDS Number: 50002622 Date of last issue: - Date of first issue: 10.10.2022

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

#### 1.1 Product identifier

Product name INECOR® Insecticide

#### Other means of identification

Product code 50002622

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

Use of the Substance/Mixture : Insecticide

Recommended restrictions on use : Use as recommended by the label.

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

##### Supplier Address

FMC Chemicals (Pty) Ltd  
Company Registration Number: 1988/001451/07  
West End Office Park, Building C  
Cnr. West Ave & Hall Street  
Centurion, 0014

E-mail address: SDS-Info@fmc.com (E-Mail General Information)

#### 1.4 Emergency telephone

For leak, fire, spill or accident emergencies, call:  
South Africa: 0-800-983-611 (CHEMTREC)

Medical emergency:  
For any emergency or poisoning contact: Griffon Poison Information Centre (24 hrs) - +27-(0)-82-446-8946

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Short-term (acute) aquatic hazard, Category 1 H400: Very toxic to aquatic life.

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Long-term (chronic) aquatic hazard, Category 1      H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

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

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P273 Avoid release to the environment.

#### **Response:**

P391 Collect spillage.

#### **Disposal:**

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

#### Additional Labeling

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

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

### 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

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)

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Chlorantraniliprole	500008-45-7	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 10 - < 20
palygorskite	12174-11-7		>= 0.1 - < 1
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9 613-167-00-5	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.0002 - < 0.0015
Substances with a workplace exposure limit :			
propane-1,2-diol	57-55-6 200-338-0		>= 1 - < 10

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
Remove person to fresh air. If signs/symptoms continue, get medical attention.  
If breathing has stopped, apply artificial respiration.
- In case of skin contact : In case of skin contact  
Take off contaminated clothing and shoes immediately.  
Wash off with soap and water.  
Call a physician if irritation develops or persists.  
Wash contaminated clothing before re-use.
- In case of eye contact : Protect unharmed eye.  
Remove contact lenses.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical advice.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
Do not induce vomiting without medical advice.  
Rinse mouth with water.

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Do not give milk or alcoholic beverages.  
Obtain medical attention.

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

None known.

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

Treatment : There is no specific antidote available.  
Treat symptomatically.  
It may be helpful to show this safety data sheet to physician.  
For specialist advice physicians should contact the Poisons Information Service.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
Unsuitable extinguishing media : Do not spread spilled material with high-pressure water streams.

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

Hazardous combustion products : Thermal decomposition can lead to release of irritating gases and vapors.  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides  
Bromine compounds  
Chlorine compounds

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Use personal protective equipment. Firefighters should wear protective clothing and self-contained breathing apparatus.  
Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
In the event of fire, cool tanks with water spray.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: Accidental release measures

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

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
If it can be safely done, stop the leak.  
Do not touch or walk through the spilled material.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

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Prevent further leakage or spillage if safe to do so.  
Should not be released into the environment.  
Local authorities should be advised if significant spillages cannot be contained.

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

- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Clean contaminated surface thoroughly. To clean the floor and all objects contaminated by this material, use plenty of water.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Use only with adequate ventilation/personal protection. Never return unused material to storage receptacle. Dispose of rinse water in accordance with local and national regulations.
- Hygiene measures : Avoid contact with skin, eyes and clothing. This product should be used only by all personnel thoroughly trained to handle it. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

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

- Requirements for storage areas and containers : Store in a place accessible by authorized persons only. Store in original container. Keep containers tightly closed in a cool, well-ventilated place.

### 7.3 Specific end use(s)

- Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of exposure	Potential health effects	Value

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propane-1,2-diol	Workers	Inhalation	Long-term systemic effects	168 mg/m3
	Workers	Inhalation	Long-term local effects	10 mg/m3
	Consumers	Inhalation	Long-term systemic effects	50 mg/m3
	Consumers	Inhalation	Long-term local effects	10 mg/m3
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Workers	Inhalation	Long-term local effects	0.02 mg/m3
	Workers	Inhalation	Acute local effects	0.04 mg/m3
	Consumers	Inhalation	Long-term local effects	0.02 mg/m3
	Consumers	Inhalation	Acute local effects	0.04 mg/m3
	Consumers	Oral	Long-term systemic effects	0.09 mg/kg
	Consumers	Oral	Acute systemic effects	0.11 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Chlorantraniliprole	Water	0.00045 mg/l
propane-1,2-diol	Fresh water	260 mg/l
	Intermittent use/release	183 mg/l
	Sea water	26 mg/l
	Sewage treatment plant	20 g/l
	Fresh water sediment	572 mg/kg
	Sea sediment	57.2 mg/kg
	Soil	50 mg/kg
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Fresh water	0.00339 mg/l
	Intermittent use/release	0.00339 mg/l
	Sea water	0.00339 mg/l
	Sewage treatment plant	0.23 mg/l
	Fresh water sediment	0.027 mg/kg
	Sea sediment	0.027 mg/kg

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.

Hand protection  
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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- Skin and body protection : Impervious clothing  
Long sleeved clothing.  
Footwear protecting against chemicals
- Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
- Protective measures : Plan first aid action before beginning work with this product.
- 

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : semi-viscous liquid
- Color : white
- Odor : alcohol-like
- pH : 5 - 9  
Concentration: 10 g/l
- Flash point : > 100 °C  
No flash up to boiling point.
- Flammability (solid, gas) : The product is not flammable.
- Relative density : 1.08 - 1.10
- Solubility(ies)  
Solubility in other solvents : slightly soluble
- Viscosity  
Viscosity, dynamic : Not available for this mixture.
- Explosive properties : Not explosive

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

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Conditions to avoid : Avoid extreme temperatures  
Avoid formation of aerosol.  
Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers.

### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 2 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): > 5,000 mg/kg

##### Components:

##### **Chlorantraniliprole:**

Acute oral toxicity : LD50 (Rat, female): > 5,000 mg/kg  
Method: OECD Test Guideline 425  
Acute inhalation toxicity : LC50 (Rat, male and female): > 5.1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity  
Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 402

##### **palygorskite:**

Acute oral toxicity : Assessment: Toxic effects cannot be excluded  
Acute inhalation toxicity : Assessment: Toxic effects cannot be excluded  
Acute dermal toxicity : Assessment: Toxic effects cannot be excluded

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### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

- Acute oral toxicity : LD50 Oral (Rat, female): 200 mg/kg  
Method: OECD Test Guideline 423
- Acute inhalation toxicity : LC50 (Rat, male and female): 0.33 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: Corrosive to the respiratory tract.
- Acute dermal toxicity : LD50 (Rabbit, male): 87 mg/kg

### **propane-1,2-diol:**

- Acute oral toxicity : LD50 (Rat, male and female): 22,000 mg/kg
- Acute inhalation toxicity : LC0 (Rabbit): 31.7 mg/l  
Exposure time: 2 h  
Test atmosphere: vapor  
Remarks: no mortality
- Acute dermal toxicity : LD50 (Rabbit): > 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:**

##### **Chlorantraniliprole:**

- Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

##### **palygorskite:**

- Remarks : No data available

### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

- Method : OECD Test Guideline 404  
Result : Corrosive after 1 to 4 hours of exposure

### **propane-1,2-diol:**

- Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

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

#### **Product:**

Species : Rabbit  
Result : No eye irritation

#### **Components:**

##### **Chlorantraniliprole:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation

##### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Result : Irreversible effects on the eye

##### **propane-1,2-diol:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation

### **Respiratory or skin sensitization**

#### **Product:**

Species : mice  
Result : Animal test did not cause sensitization by skin contact.

#### **Components:**

##### **Chlorantraniliprole:**

Test Type : Maximization Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitization.

Test Type : Local lymph node assay (LLNA)  
Species : mice  
Method : OECD Test Guideline 429  
Result : Does not cause skin sensitization.

##### **palygorskite:**

Remarks : No data available

##### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Test Type : Local lymph node assay (LLNA)  
Species : Mouse  
Result : The product is a skin sensitizer, sub-category 1A.

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### **propane-1,2-diol:**

Test Type : Maximization Test  
Species : Guinea pig  
Result : negative

### **Germ cell mutagenicity**

#### **Components:**

##### **Chlorantraniliprole:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Test system: Chinese hamster ovary cells  
Method: OECD Test Guideline 476  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian bone marrow sister chromatid exchange  
Species: Mouse  
Method: OECD Test Guideline 474  
Result: negative

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### **propane-1,2-diol:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Result: negative

### **Carcinogenicity**

#### **Components:**

##### **Chlorantraniliprole:**

Species : Rat, male and female  
Application Route : Oral  
Exposure time : 2 Years  
NOAEL : 805 - 1,076 mg/kg bw/day  
Method : OECD Test Guideline 453  
Result : negative

Species : Mouse, male and female  
Application Route : Oral  
Exposure time : 18 month(s)  
NOAEL : 158 - 1,155 mg/kg bw/day  
Method : OECD Test Guideline 453

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Result : negative

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

### **propane-1,2-diol:**

Species : Rat  
Application Route : Oral  
Exposure time : 2 Years  
Result : negative

### **Reproductive toxicity**

#### **Components:**

#### **Chlorantraniliprole:**

Effects on fertility : Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: Oral  
General Toxicity Parent: NOAEL: 20,000 ppm  
General Toxicity F1: NOAEL: 20,000 ppm  
Method: OECD Test Guideline 416  
Result: negative

Effects on fetal development : Test Type: Pre-natal  
Species: Rat  
Application Route: Oral  
Duration of Single Treatment: 6 - 20 d  
General Toxicity Maternal: NOEL: 1,000 mg/kg bw/day  
Developmental Toxicity: NOEL: 1,000 mg/kg bw/day  
Method: OECD Test Guideline 414  
Result: negative

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

### **propane-1,2-diol:**

Effects on fertility : Test Type: reproductive and developmental toxicity study  
Species: Mouse  
Application Route: Oral  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Mouse  
Application Route: Oral  
Method: OECD Test Guideline 414  
Result: Animal testing did not show any effects on fertility.  
Remarks: Based on data from similar materials

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### STOT-single exposure

#### Components:

##### **Chlorantraniliprole:**

Remarks : No significant adverse effects were reported

### STOT-repeated exposure

#### Product:

Remarks : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

### Repeated dose toxicity

#### Components:

##### **Chlorantraniliprole:**

Species : Rat, male and female  
NOEL : 1188 - 1526 mg/kg  
Application Route : Oral  
Exposure time : 90 days  
Method : OECD Test Guideline 408

##### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Species : Dog  
NOAEL : 22 mg/kg  
Application Route : Oral

Species : Rat  
NOAEL : 16.3 - 24.7 mg/kg  
Application Route : Skin contact

Species : Rat  
NOAEL : 2.36 mg/m<sup>3</sup>  
Application Route : Inhalation

##### **propane-1,2-diol:**

Species : Rat, male and female  
NOAEL : 1,700 mg/kg  
Application Route : Oral  
Exposure time : 2 Years

Species : Rat, male and female  
NOAEL : 1,000 mg/kg  
LOAEL : 160 mg/kg  
Application Route : Inhalation  
Exposure time : 90 Days

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### Aspiration toxicity

#### Components:

##### **Chlorantraniliprole:**

The substance does not have properties associated with aspiration hazard potential.

### Neurological effects

#### Components:

##### **Chlorantraniliprole:**

Remarks : No neurotoxicity observed in animal studies.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): > 9.9 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.035 mg/l  
Exposure time: 48 h
- Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 20 mg/l  
Exposure time: 72 h
- Toxicity to terrestrial organisms : LD50: > 0.1141 mg/kg  
Exposure time: 2 d  
Species: Apis mellifera (bees)  
Remarks: Oral
- LD50: > 0.100 mg/kg  
Exposure time: 2 d  
Species: Apis mellifera (bees)  
Remarks: Contact

#### Components:

##### **Chlorantraniliprole:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 13.8 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.0116 mg/l  
Exposure time: 48 h
- Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 2 mg/l  
Exposure time: 120 h
- EC50 (Lemna gibba (duckweed)): > 2 mg/l

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Exposure time: 14 d

NOEC (Lemna gibba (duckweed)): 2 mg/l  
Exposure time: 14 d

Toxicity to fish (Chronic toxicity) : NOEC: 1.28 mg/l  
Exposure time: 36 d  
Species: Cyprinodon variegatus (sheepshead minnow)

NOEC: 0.110 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.00447 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

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

Toxicity to terrestrial organisms : LD50: >0.005  
Exposure time: 48 h  
End point: Acute oral toxicity  
Species: Apis mellifera (bees)

LD50: >0.0274  
Exposure time: 48 h  
End point: Acute contact toxicity  
Species: Apis mellifera (bees)

LD50: > 2,250 mg/kg  
Species: Colinus virginianus (Bobwhite quail)

LC50: > 5,620 ppm  
Species: Anas platyrhynchos (Mallard duck)

### palygorskite:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Toxic effects cannot be excluded

Chronic aquatic toxicity : Toxic effects cannot be excluded

#### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l  
Exposure time: 96 h  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.16 mg/l  
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 0.1 mg/l

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Exposure time: 21 Days

EC50 (Daphnia magna (Water flea)): 0.18 mg/l  
Exposure time: 21 Days

Toxicity to algae/aquatic plants : NOEC (Skeletonema costatum (marine diatom)): 0.00049 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

NOEC (Skeletonema costatum (marine diatom)): 0.019 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Skeletonema costatum (marine diatom)): 0.037 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : NOEC (activated sludge): 0.91 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209  
GLP: yes

EC50 (activated sludge): 4.5 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209  
GLP: yes

Toxicity to fish (Chronic toxicity) : NOEC: 0.02 mg/l  
Exposure time: 35 d  
Species: Danio rerio (zebra fish)  
Method: OECD Test Guideline 210  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
  
Chronic Toxicity Value: 0.18 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

### propane-1,2-diol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : (Mysidopsis bahia (opossum shrimp)): 18,800 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 34,100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50 (Pseudomonas putida): > 20,000 mg/l

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Exposure time: 18 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 13,020 mg/l  
Exposure time: 7 d

### 12.2 Persistence and degradability

#### Components:

##### **Chlorantraniliprole:**

Biodegradability : Result: Not readily biodegradable.  
Stability in water : Degradation half life (DT50): 10 d  
pH: 9

##### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Biodegradability : Result: Readily biodegradable.

##### **propane-1,2-diol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 23.6 %  
Exposure time: 64 d  
Method: OECD Test Guideline 306

### 12.3 Bioaccumulative potential

#### Components:

##### **Chlorantraniliprole:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF): 15  
  
Partition coefficient: n-octanol/water : log Pow: 2.86 (20 °C)  
pH: 7

##### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Bioaccumulation : Exposure time: 28 d  
Bioconcentration factor (BCF): < 54  
Method: OECD Test Guideline 305

Partition coefficient: n-octanol/water : Pow: 0.75

##### **propane-1,2-diol:**

Partition coefficient: n-octanol/water : log Pow: -1.07

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### 12.4 Mobility in soil

#### Components:

##### **Chlorantraniliprole:**

Distribution among environmental compartments : Koc: 244 - 464  
Remarks: immobile

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

#### Product:

Additional ecological information : Environmental hazards  
See product label for additional application instructions relating to environmental precautions.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Do not re-use empty containers.  
Clean container with water.  
Triple rinse containers.  
Dispose of contents/ container to a local hazardous waste disposal facility.

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## SECTION 14: Transport information

### 14.1 UN number

**IMDG** : UN 3082  
**IATA** : UN 3082

### 14.2 UN proper shipping name

**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Chlorantraniliprole)  
**IATA** : Environmentally hazardous substance, liquid, n.o.s.  
(Chlorantraniliprole)

### 14.3 Transport hazard class(es)

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**IMDG** : 9

**IATA** : 9

### 14.4 Packing group

#### **IMDG**

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

#### **IATA (Cargo)**

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

#### **IATA (Passenger)**

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

### 14.5 Environmental hazards

#### **IMDG**

Marine pollutant : yes

#### **IATA (Passenger)**

Environmentally hazardous : yes

#### **IATA (Cargo)**

Environmentally hazardous : yes

### 14.6 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.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

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

TCSI : On the inventory, or in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : Not in compliance with the inventory

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DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.
	3-BROMO-4'-CHLORO-1-(3-CHLORO-2-PYRIDYL)-2'-METHYL-6'-(METHYLCARBAMOYL)-1H-PYRAZOLE-5-CARBOXANILIDE ACTI-GEL 208 (ACTIVE MINERALS)
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture.

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## SECTION 16: Other information

### Full text of H-Statements

H301	: Toxic if swallowed.
H310	: Fatal in contact with skin.
H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H330	: Fatal if inhaled.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Skin Corr.	: Skin corrosion
Skin Sens.	: Skin sensitization

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; 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 as-

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sociated 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; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; 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

### Further information

Other information : see user defined free text

### Classification of the mixture:

Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

### Classification procedure:

Based on product data or assessment  
Calculation method

### Disclaimer

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