

SAFETY DATA SHEET



PREMIO®

Version	Revision Date:	SDS Number:	Date of last issue: -
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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PREMIO®

Manufacturer or supplier's details

Company : FMC QUÍMICA DO BRASIL LTDA.

Address : AVENIDA DR. JOSÉ BONIFÁCIO
COUTINHO NOGUEIRA 150 - 1º
ANDAR - JARDIM MADALENA,
CAMPINAS SP BRASIL
TELEFONE: (19) 2042-4500

Emergency telephone : Brazil: 0800 34 35 450 (24 hours)
+55-2139581449 (CHEMTREC)

Recommended use of the chemical and restrictions on use

Recommended use : Can be used as insecticide only.

Restrictions on use : Use as recommended by the label.



SECTION 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with ABNT NBR 14725 Standard

Specific target organ toxicity - : Category 2
repeated exposure

Short-term (acute) aquatic : Category 1
hazard

GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms :  

Signal Word : WARNING

Hazard Statements : H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.

Precautionary Statements : **Prevention:**
P260 Do not breathe mist or vapors.
P273 Avoid release to the environment.
Response:

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P314 Get medical advice/ attention if you feel unwell.
P391 Collect spillage.

Disposal:

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

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Chlorantraniliprole	500008-45-7	Acute Tox. (Oral), 5 Acute Tox. (Dermal), 5 Aquatic Acute, 1 Aquatic Chronic, 1	≥ 10 -< 20
Palygorskite	12174-11-7	STOT RE, 2	$\geq 0,1$ -<= 1

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Show this material 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.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.
If symptoms persist, call a physician.
Wash contaminated clothing before re-use.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : May cause damage to organs through prolonged or repeated exposure.

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Protection of first-aiders : Avoid inhalation, ingestion and contact with skin and eyes.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : Do not spread spilled material with high-pressure water streams.

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Fire may produce irritating, corrosive and/or toxic gases.
Nitrogen oxides (NO_x)
Carbon oxides
Bromine compounds
Chlorine compounds
Hydrogen cyanide
Hydrogen chloride

Specific extinguishing methods : Remove undamaged containers from fire area if it is safe to do so.
Use a water spray to cool fully closed containers.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : Firefighters should wear protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.
Do not touch or walk through the spilled material.
If it can be safely done, stop the leak.
Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Never return spills in original containers for re-use.
Collect as much of the spill as possible with a suitable absor-

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bent material.
Pick up and transfer to properly labeled containers.
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : For personal protection see section 8.
Avoid formation of respirable particles.
Dispose of rinse water in accordance with local and national regulations.
Smoking, eating and drinking should be prohibited in the application area.
- Hygiene measures : Avoid contact with skin, eyes and clothing.
This product should be used only by all personnel thoroughly trained to handle it.
Do not inhale aerosol.
Wash hands before breaks and immediately after handling the product.
When using do not smoke.
When using do not eat or drink.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Contaminated work clothing should not be allowed out of the workplace.
- Conditions for safe storage : Store in a place accessible by authorized persons only.
Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : The product is stable under normal conditions of warehouse storage.
Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.
- Further information on storage stability : No decomposition if stored and applied as directed.

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

Contains no substances with occupational exposure limit values.

Personal protective equipment

- | | | |
|--------------------------|---|--|
| Respiratory protection | : | In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. |
| 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. |
| Eye protection | : | Eye wash bottle with pure water
Tightly fitting safety goggles |
| Skin and body protection | : | Impervious clothing
Long sleeved clothing.
Footwear protecting against chemicals
Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Protective measures | : | Plan first aid action before beginning work with this product.
Always have on hand a first-aid kit, together with proper instructions.
Wear suitable protective equipment.
When using do not eat, drink or smoke.
In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- | | | |
|----------------|---|---------------------------|
| Physical state | : | liquid |
| Form | : | semi-viscous liquid |
| Color | : | white |
| Odor | : | alcohol-like |
| Odor Threshold | : | not determined |
| pH | : | 7,8
Concentration: 1 % |

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Method: CIPAC MT 75.3

Boiling point/boiling range	: not determined
Flash point	: > 100 °C
	No flash up to boiling point.
Evaporation rate	: Not available for this mixture.
Flammability (solid, gas)	: The product is not flammable.
Self-ignition	: not auto-flammable
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Vapor pressure	: Not available for this mixture.
Relative vapor density	: Not available for this mixture.
Relative density	: 1,08 - 1,10
Density	: 1,094 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: slightly soluble
Partition coefficient: n-octanol/water	: Not available for this mixture.
Autoignition temperature	: No data available
Viscosity	
Viscosity, dynamic	: 583 mPa.s 30 rpm
Viscosity, kinematic	: 367 - 734 mm ² /s 30 rpm
Explosive properties	: Not explosive
Oxidizing properties	: Non-oxidizing
Molecular weight	: Not applicable
Particle size	: Not applicable

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Avoid formation of aerosol. Heat, flames and sparks. Protect from frost, heat and sunlight. Heating of the product will produce harmful and irritant vapours.
Incompatible materials	:	Avoid strong acids, bases, and oxidizers.
Hazardous decomposition products	:	Stable under recommended storage conditions. No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

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

Product:

Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 425 GLP: yes Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	LC50 (Rat): > 2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Highest attainable concentration. no mortality
Acute dermal toxicity	:	LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal toxicity

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Components:**Chlorantraniliprole:**

- Acute oral toxicity : LD50 (Rat, female): > 5.000 mg/kg
Method: OECD Test Guideline 425
GLP: yes
- LD50 (Rat): > 5.000 mg/kg
Method: OECD Test Guideline 425
GLP: yes
Remarks: Information source: Internal study report
- LD50 (Mouse, female): > 2.000 mg/kg
Method: OECD Test Guideline 425
GLP: no
- 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
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Information source: Internal study report
- LC50 (Rat, male and female): > 5,1 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: no mortality
- LC50 (Rat, male and female): > 5,0 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: GB 15670-1995
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: no mortality
- Acute dermal toxicity : LD50 (Rat, male and female): > 5.000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Remarks: Information source: Internal study report
- LD50 (Rat, male and female): > 5.000 mg/kg
Method: GB 15670-1995
GLP: yes
Remarks: no mortality
- LD50 (Rat, male and female): > 5.000 mg/kg
Method: OECD Test Guideline 402

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GLP: yes
Remarks: no mortality

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

Skin corrosion/irritation

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

Product:

Species : Rabbit
Assessment : Not classified as irritant
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Components:

Chlorantraniliprole:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes
Remarks : Information source: Internal study report

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

Species : Rabbit
Method : GB 15670-1995
Result : No skin irritation
GLP : yes

Serious eye damage/eye irritation

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

Product:

Species : Rabbit
Result : No eye irritation
Assessment : Not classified as irritant
Method : OECD Test Guideline 405
GLP : yes

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Components:

Chlorantraniliprole:

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405
GLP	:	yes
Remarks	:	Information source: Internal study report

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

Species	:	Rabbit
Result	:	Slight or no eye irritation
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 405
GLP	:	yes

Respiratory or skin sensitization

Skin sensitization

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

Respiratory sensitization

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

Product:

Test Type	:	Local lymph node assay (LLNA)
Species	:	mice
Assessment	:	Not a skin sensitizer.
Method	:	OECD Test Guideline 429
Result	:	Animal test did not cause sensitization by skin contact.
GLP	:	yes

Components:

Chlorantraniliprole:

Test Type	:	Maximization Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.
GLP	:	yes
Remarks	:	Information source: Internal study report

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

Germ cell mutagenicity

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

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Product:

Genotoxicity in vitro	: Test Type: Ames test Method: OECD Test Guideline 471 Result: negative
Genotoxicity in vivo	: Test Type: Micronucleus test Species: Mouse Method: OECD Test Guideline 474 Result: negative

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: Micronucleus test 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.

Carcinogenicity

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

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

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Reproductive toxicity

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

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 Days
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 |

STOT-single exposure

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

Components:

Chlorantraniliprole:

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Product:

- | | | |
|------------|---|--|
| Assessment | : | May cause damage to organs through prolonged or repeated exposure. |
| Remarks | : | ANVISA assessment |

Components:

Chlorantraniliprole:

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

Palygorskite:

- | | | |
|------------|---|--|
| Assessment | : | May cause damage to organs through prolonged or repeated exposure. |
|------------|---|--|

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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

Aspiration toxicity

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

Components:

Chlorantraniliprole:

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

Further information

Product:

Remarks : No data available

Components:

Palygorskite:

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): > 9,9 mg/l
Exposure time: 96 h

LC50 (Danio rerio (zebra fish)): >1.6 mg a.i./L
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0,035 mg/l
aquatic invertebrates
Exposure time: 48 h

EC50 (Daphnia magna (Water flea)): 8,2 µg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : NOEC (Pseudokirchneriella subcapitata (green algae)): 20
plants
mg/l

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		Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
		ErC50 (<i>Pseudokirchneriella subcapitata</i> (green algae)): > 20 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
Toxicity to soil dwelling organisms	:	NOEC (<i>Eisenia andrei</i> (red worm)): 1.000 mg/kg Exposure time: 28 d Method: OECD Test Guideline 222
		LC50 (<i>Eisenia andrei</i> (red worm)): > 1.000 mg/kg Exposure time: 28 d Method: OECD Test Guideline 222
Toxicity to terrestrial organisms	:	LD50 (<i>Apis mellifera</i> (bees)): > 0,1141 mg/kg Exposure time: 2 d Remarks: Oral
		LD50 (<i>Apis mellifera</i> (bees)): > 0,100 mg/kg Exposure time: 2 d Remarks: Contact
		LD50 (<i>Apis mellifera</i> L.): >= 109,91 µg a.i./bee Exposure time: 48 h End point: Acute oral toxicity Method: OECD Test Guideline 213
		NOEL (<i>Apis mellifera</i> L.): >= 109,91 µg a.i./bee Exposure time: 48 h End point: Acute oral toxicity Method: OECD Test Guideline 213
		LD50 (<i>Apis mellifera</i> L.): >= 100 µg a.i./bee Exposure time: 48 h End point: Acute contact toxicity Method: OECD Test Guideline 214
		NOEL (<i>Apis mellifera</i> L.): >= 100 µg a.i./bee Exposure time: 48 h End point: Acute contact toxicity Method: OECD Test Guideline 214
		NOEC (<i>Colinus virginianus</i> (Bobwhite quail)): 1.726 mg/kg Exposure time: 5 d Method: US EPA Test Guideline OPP 71-2
		LC50 (<i>Colinus virginianus</i> (Bobwhite quail)): > 1.726 mg/kg Exposure time: 5 d Method: US EPA Test Guideline OPP 71-2

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Components:

Chlorantraniliprole:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13,8 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
Remarks: Information source: Internal study report
- LC50 (Lepomis macrochirus (Bluegill sunfish)): > 15,1 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes
Remarks: Information source: Internal study report
- LC50 (Cyprinodon sp. (minnow)): > 12 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,0116 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes
- LC50 (Hyalella azteca (Amphipod)): 0,26 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes
- LC50 (Ceriodaphnia dubia (water flea)): 0,0067 - 0,011 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 2 mg/l
Exposure time: 120 h
- NOEC (Lemna gibba (duckweed)): > 2 mg/l
End point: Biomass
Exposure time: 14 d
Test Type: static test
- ErC50 (Selenastrum capricornutum (green algae)): > 2 mg/l
Exposure time: 72 h
- NOEC (Anabaena flos-aquae (cyanobacterium)): > 2 mg/l
End point: Growth rate
Exposure time: 120 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes
- NOEC (Skeletonema costatum (Diatom)): > 14,6 mg/l

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		End point: Growth rate Exposure time: 120 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
		NOEC (<i>Navicula pelliculosa</i> (Diatom)): > 15,1 mg/l End point: Growth rate Exposure time: 120 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
M-Factor (Acute aquatic toxicity)	:	10
Toxicity to fish (Chronic toxicity)	:	NOEC (<i>Cyprinodon variegatus</i> (sheepshead minnow)): 1,28 mg/l Exposure time: 36 d
		NOEC (<i>Oncorhynchus mykiss</i> (rainbow trout)): 0,110 mg/l Exposure time: 28 d Method: OECD Test Guideline 210 GLP: yes
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (<i>Daphnia magna</i> (Water flea)): 0,00447 mg/l Exposure time: 21 d Method: US EPA Test Guideline OPPTS 850.1300 GLP: yes
M-Factor (Chronic aquatic toxicity)	:	10
Toxicity to soil dwelling organisms	:	LC50 (<i>Eisenia fetida</i> (earthworms)): > 1.000 mg/kg Exposure time: 14 d Method: OECD Test Guideline 207 GLP: yes
		Remarks: No significant adverse effect on Nitrogen mineralization. No significant adverse effect on Carbon mineralization.
		NOEC (<i>Hypoaspis aculeifer</i>): 100 mg/kg dry weight (d.w.) Exposure time: 16 d Method: OECD Test Guideline 207
		EC50 (<i>Hypoaspis aculeifer</i>): >100 mg/kg dry weight (d.w.) Exposure time: 16 d Method: OECD Test Guideline 207
Toxicity to terrestrial organisms	:	LD50 (<i>Apis mellifera</i> (bees)): > 4,0 µg/bee Exposure time: 72 h End point: Acute contact toxicity Remarks: Active substance dissolved in acetone

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LD50 (Apis mellifera (bees)): > 0,005 µg/bee
Exposure time: 48 h
End point: Acute contact toxicity
Remarks: Active substance dissolved in water

LD50 (Apis mellifera (bees)): > 104,1 µg/bee
Exposure time: 48 h
End point: Acute oral toxicity
Remarks: Active substance dissolved in acetone

LD50 (Apis mellifera (bees)): > 0,0274 µg/bee
Exposure time: 48 h
End point: Acute oral toxicity
Remarks: Active substance dissolved in water

LD50 (Poephila guttata (zebra finch)): > 2.250 mg/kg

Palygorskite:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic effects cannot be excluded

Chronic aquatic toxicity : Toxic effects cannot be excluded

Persistence and degradability

Components:

Chlorantraniliprole:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life (DT50): 10 d (25 °C) pH: 9

Degradation half life (DT50): 0,3 d (50 °C) pH: 9

Degradation half life (DT50): > 31 d pH: 5

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.
Estimation based on data obtained on active ingredient.

Remarks: No data available

Components:

Chlorantraniliprole:

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 14
Method: OECD Test Guideline 305
GLP: yes
Remarks: Bioaccumulation is unlikely.

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Partition coefficient: n-octanol/water : log Pow: 2,77 (20 °C)
pH: 4

log Pow: 2,86 (20 °C)
pH: 7

log Pow: 2,80 (20 °C)
pH: 9

Mobility in soil

Components:

Chlorantraniliprole:

Distribution among environmental compartments : Koc: 362 ml/g, log Koc: 2,55
Remarks: Mobile in soils

Stability in soil : Remarks: Very persistent in soil.

Other adverse effects

Product:

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

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life.

Components:

Chlorantraniliprole:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

Palygorskite:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemi-

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cal or used container.
Send to a licensed waste management company.

Contaminated packaging : It is prohibited to reuse, bury, burn or sell packaging.

Washable packaging: Triple wash packs of less than 20 liters and pressure wash packs of 20 liters or more. Triple Wash (Manual Wash): Completely empty the contents of the package into the sprayer tank, keeping it in an upright position for 30 seconds; Add clean water to the package up to ¼ of its volume; Cover the package well and shake it for 30 seconds; Pour the wash water into the spray tank; Do this operation three times; Make the plastic or metal packaging unusable by perforating the bottom.

Pressure wash: Fit the empty package in the appropriate place of the funnel installed on the sprayer; Activate the mechanism to release the water jet; Direct the water jet to all the inside walls of the package, for 30 seconds; Wash water must be transferred to the sprayer tank; Make the plastic or metal packaging unusable by perforating the bottom. In both procedures, puncture the container at its base without damaging the label. Within a period of up to one year from the date of purchase, the user must return the empty packaging, with lid, to the establishment where the product was purchased or to the place indicated on the invoice, issued at the time of purchase. Activate the mechanism to release the water jet. Direct the water jet to all the inside walls of the package, for 30 seconds. Wash water must be transferred to the sprayer tank. Make the plastic or metal packaging unusable by perforating the bottom.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

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

Class : 9
Packing group : III
Labels : 9
Environmentally hazardous : yes

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Chlorantraniliprole)

Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo) : 964

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aircraft)
Packing instruction (passenger aircraft) : 964
Environmentally hazardous : yes

IMDG-Code

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

Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

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

Not applicable for product as supplied.

Domestic regulation

ANTT

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

Class : 9
Packing group : III
Labels : 9
Hazard Identification Number : 90

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

Law No. 14,785 of December 27, 2023. Decree 4,074 of January 4, 2002 and its regulatory standards. ANTT Resolution No. 5,998/22 of November 3, 2022. This MSDS was prepared in accordance with the criteria of ABNT NBR 14725. The user is recommended to pay attention to local regulations.

National List of Carcinogenic Agents for Humans - (LINACH)

Group 2B: Possibly carcinogenic to humans
Palygorskite

12174-11-7

Brazil. List of chemicals controlled by the Federal Police : Not applicable

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

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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
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

SECTION 16. OTHER INFORMATION

Revision Date	: 04.03.2025
Date format	: dd.mm.yyyy

Full text of other abbreviations

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 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; 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 - 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,

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tion, 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

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