

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## ALTACOR® 35WG

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

#### 1.1 Product identifier

**Product name** ALTACOR® 35WG

#### Other means of identification

**Product code** 50000012

**Unique Formula Identifier (UFI)** : K2YW-32R4-8N46-5AVY

#### 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.  
For professional users only.

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

**Supplier Address** FMC Chemicals Hellas MEPE  
Syngrou Avenue 348  
17674 Kallithea  
Greece

Telephone: +30 211 1982768  
Telefax: +30 211 1138614  
E-mail address: SDS-Info@fmc.com .

#### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
1 703 / 741-5970 (CHEMTREC - International)

Medical emergency:  
Cyprus: 1401

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

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Short-term (acute) aquatic hazard, Category 1

H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, Category 1

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

### 2.2 Label elements

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

Hazard pictograms :



Signal word : Warning

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

Precautionary statements : P102 Keep out of reach of children.

#### Prevention:

P270 Do not eat, drink or smoke when using this product.

#### Response:

P391 Collect spillage.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Disposal of contents/container in accordance with national legislation.

#### Additional Labelling

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

For special phrases (SP) and safety intervals, consult the label.

### 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Chlorantraniliprole	500008-45-7	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 30 - < 50
Substances with a workplace exposure limit :			
kaolin	1332-58-7 310-194-1		>= 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.
- Protection of first-aiders : Avoid inhalation, ingestion and contact with skin and eyes.
- If inhaled : Remove to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.
- In case of skin contact : If on clothes, remove clothes.  
If on skin, rinse well with water.  
Wash off with soap and plenty of water.  
Get medical attention if irritation develops and persists.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.

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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.  
Do not induce vomiting without medical advice.

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

Risks : None known.

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

Treatment : Treat symptomatically.  
Immediate medical attention is required in case of ingestion.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray, fog, 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

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<sub>x</sub>)  
Carbon oxides  
Hydrogen chloride  
Sulphur oxides  
Bromine compounds  
Chlorine compounds

### 5.3 Advice for firefighters

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

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.

Further information : 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.

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Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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### SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
If it can be safely done, stop the leak.  
Keep people away from and upwind of spill/leak.  
Remove all sources of ignition.  
Immediately evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Avoid dust formation.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.

#### 6.2 Environmental precautions

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.

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

Methods for cleaning up : Collect as much of the spill as possible with a suitable absorbent material.  
Pick up and transfer to properly labelled containers.  
Never return spills in original containers for re-use.  
  
Keep in suitable, closed containers for disposal.

#### 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.  
Dispose of rinse water in accordance with local and national regulations.  
Avoid formation of respirable particles.

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Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Do not breathe dust or spray mist.

Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed 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.

### 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.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
kaolin	1332-58-7	TWA (Respirable dust)	0,1 mg/m <sup>3</sup>	2004/37/EC
	Further information: Carcinogens or mutagens			
		M.A.C.	10 mg/m <sup>3</sup> / % respirable quartz (Silica)	CY OEL 2
	Further information: M.A.C. = 10 / [(%Respirable size quartz in atmospheric sample)] mg/m <sup>3</sup>			

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

Substance name	Environmental Compartment	Value
Chlorantraniliprole	Water	0,00045 mg/l

## 8.2 Exposure controls

### Personal protective equipment

- Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- 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.
- Skin and body protection : Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.  
Equipment should conform to EN 143
- Filter type : Particulates type (P)
- 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

### 9.1 Information on basic physical and chemical properties

- Physical state : solid
- Form : granular
- Colour : light brown
- Odour : slight, sweet

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Odour Threshold	:	No data available
Melting point/range	:	Not available for this mixture.
Boiling point/boiling range	:	Not applicable
Flammability	:	Not expected to be ignitable
Upper explosion limit / Upper flammability limit	:	Not available for this mixture.
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	not determined
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	7 - 10 (25 °C) Concentration: 10 g/l 1 % (as aqueous dispersion)
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Solubility(ies)		
Water solubility	:	dispersible
Partition coefficient: n-octanol/water	:	Not applicable
Vapour pressure	:	No data available



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Relative density : No data available

Density : No data available

Bulk density : 0,7 - 0,86 g/cm<sup>3</sup>  
packed

Relative vapour density : Not applicable

Particle characteristics  
Particle size : not determined

Particle Size Distribution : No data available

Shape : No data available

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : Non-oxidizing

Self-ignition : > 155 °C

Evaporation rate : Not applicable

Miscibility with water : partly miscible

## 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 used as directed.

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Dust may form explosive mixture in air.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid dust formation.  
Avoid extreme temperatures  
Heat, flames and sparks.

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	: LD50 (Rat, female): > 5.000 mg/kg Method: OECD Test Guideline 425 GLP: yes
Acute inhalation toxicity	: LC50 (Rat): > 6,2 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: no mortality
Acute dermal toxicity	: LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 402 GLP: yes

#### Components:

##### Chlorantraniliprole:

Acute oral toxicity	: LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 425 GLP: yes Remarks: Information source: Internal study report
Acute inhalation toxicity	: LC50 (Rat, male and female): > 5,1 mg/l Exposure time: 4 h Test atmosphere: dust/mist

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Method: OECD Test Guideline 403  
GLP: yes  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Information source: Internal study report

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

### kaolin:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
  
LD50: > 2.000 mg/kg  
Method: OECD Test Guideline 420  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LD50: 5,07 mg/l  
Method: OECD Test Guideline 436

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg  
  
LD50: > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

Not classified based on available information.

### Product:

Species : Rabbit  
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

### kaolin:

Method : OECD Test Guideline 404

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Result : No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

#### Product:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: slight irritation
GLP	: yes
Remarks	: Minimal effects that do not meet the threshold for classification.

#### Components:

##### Chlorantraniliprole:

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

##### kaolin:

Method	: OECD Test Guideline 405
Result	: No eye irritation

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

Test Type	: Local lymph node test
Species	: Mouse
Method	: OECD Test Guideline 406
Result	: Animal test did not cause sensitization by skin contact.

#### Components:

##### Chlorantraniliprole:

Test Type	: Maximisation Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitisation.
GLP	: yes

Remarks : Information source: Internal study report

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

### kaolin:

Method	: OECD Test Guideline 429
Result	: Does not cause skin sensitisation.

### Germ cell mutagenicity

Not classified based on available information.

### Components:

#### Chlorantraniliprole:

Genotoxicity in vitro	: Test Type: reverse mutation assay Metabolic activation: with and without metabolic activation Result: negative
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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
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Germ cell mutagenicity- Assessment	: Weight of evidence does not support classification as a germ cell mutagen.
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### kaolin:

Genotoxicity in vitro	: Test Type: Ames test Method: OECD Test Guideline 471 Result: negative
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Genotoxicity in vivo	: Remarks: No data available
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### Carcinogenicity

Not classified based on available information.

### 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

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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.

### Reproductive toxicity

Not classified based on available information.

#### 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 foetal 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

##### **kaolin:**

Effects on fertility	:	Remarks: No data available
Effects on foetal development	:	Remarks: No data available

### STOT - single exposure

Not classified based on available information.

#### Product:

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

#### **Chlorantraniliprole:**

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

#### **kaolin:**

Remarks : No significant adverse effects were reported

#### **STOT - repeated exposure**

Not classified based on available information.

### Product:

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

### Components:

#### **Chlorantraniliprole:**

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

#### **kaolin:**

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

#### **Repeated dose toxicity**

### Components:

#### **Chlorantraniliprole:**

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

Species : Rat  
NOAEL : 8.000 mg/kg  
Application Route : Oral - feed  
Exposure time : 28 d  
Method : OECD Test Guideline 407  
GLP : yes

Species : Rat  
NOAEL : 300 mg/kg  
Application Route : Dermal  
Exposure time : 28 d  
Method : OECD Test Guideline 410  
GLP : yes

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Species	: Rat
NOAEL	: 20.000 mg/kg
Application Route	: Oral - feed
Exposure time	: 90 d
Method	: OECD Test Guideline 408
GLP	: yes
Remarks	: Information source: Internal study report

Species	: Mouse
NOAEL	: 7.000 mg/kg
Application Route	: Oral - feed
Exposure time	: 90 d
Method	: OECD Test Guideline 408
GLP	: yes
Remarks	: Information source: Internal study report

### kaolin:

Remarks	: No data available
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### Aspiration toxicity

Not classified based on available information.

### Product:

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

### Components:

#### Chlorantraniliprole:

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

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment	: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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#### Components:

#### Chlorantraniliprole:

Assessment	: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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### Neurological effects

#### Components:

##### Chlorantraniliprole:

Remarks : No neurotoxicity observed in animal studies

### Further information

#### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): > 3,2 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0,029 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae/aquatic plants	: EbC50 (Pseudokirchneriella subcapitata (green algae)): > 5,0 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 GLP: yes
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0,00447 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Remarks: Information refers to the main component.
Toxicity to soil dwelling organisms	: > 1.000 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207
Toxicity to terrestrial organisms	: LD50: > 2.250 mg/kg Exposure time: 14 d Species: Colinus virginianus (Bobwhite quail) Method: US EPA Test Guideline OPPTS 850.2100  LD50: 340,5 µg/bee Exposure time: 48 h

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End point: Acute oral toxicity  
Species: Apis mellifera (bees)  
Method: OECD Test Guideline 213  
GLP:yes

LD50: 285,7 µg/bee  
Exposure time: 48 h  
End point: Acute contact toxicity  
Species: Apis mellifera (bees)  
Method: OECD Test Guideline 214  
GLP:yes

### 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	: LC50 (Hyalomma 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 Exposure time: 14 d  ErC50 (Selenastrum capricornutum (green algae)): > 2 mg/l Exposure time: 72 h  ErC50 (Pseudokirchneriella subcapitata (green algae)): > 2 mg/l

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Exposure time: 72 h  
Method: US EPA Test Guideline OPP 122-2 & 123-2  
GLP: yes  
Remarks: Information source: Internal study report

EbC50 (Lemna gibba (duckweed)): > 2 mg/l  
End point: Frond  
Exposure time: 14 d  
Method: US EPA Test Guideline OPP 122-2 & 123-2  
GLP: yes  
Remarks: Information source: Internal study report

M-Factor (Acute aquatic toxicity) : 10

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)  
Method: OECD Test Guideline 210  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,00447 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: US EPA Test Guideline OPPTS 850.1300  
GLP: yes

M-Factor (Chronic aquatic toxicity) : 10

Toxicity to soil dwelling organisms : LC50: > 1.000 mg/kg  
Exposure time: 14 d  
Species: Eisenia fetida (earthworms)  
Method: OECD Test Guideline 207  
GLP: yes

Remarks: No significant adverse effect on nitrogen mineralization.  
No significant adverse effect on carbon mineralization.

Toxicity to terrestrial organisms : LD50: > 4,0 µg/bee  
Exposure time: 72 h  
End point: Acute contact toxicity  
Species: Apis mellifera (bees)  
Remarks: Active substance dissolved in acetone

LD50: > 0,005 µg/bee  
Exposure time: 48 h

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End point: Acute contact toxicity  
Species: Apis mellifera (bees)  
Remarks: Active substance dissolved in water

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

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

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

### kaolin:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms :  
Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

## 12.2 Persistence and degradability

### Product:

Biodegradability : Remarks: Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.

### Components:

#### Chlorantraniliprole:

Biodegradability : Result: Not readily biodegradable.

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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

### kaolin:

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

## 12.3 Bioaccumulative potential

### Product:

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

### Components:

#### Chlorantraniliprole:

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

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

### kaolin:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : Remarks: Not applicable

## 12.4 Mobility in soil

### Product:

Distribution among environmental compartments : Remarks: The product is not expected to be mobile in soils.  
Estimation based on data obtained on active ingredient.

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### 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.

#### **kaolin:**

Distribution among environmental compartments : Remarks: Low mobility 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:

#### **Chlorantraniliprole:**

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.

## 12.6 Endocrine disrupting properties

### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Components:

#### **Chlorantraniliprole:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 Other adverse effects

### Product:

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

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ing to environmental precautions.

No other ecological effects to be specially mentioned.

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

### 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.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product	: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Do not re-use empty containers. Packaging that is not properly emptied must be disposed of as the unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	: UN 3077
ADR	: UN 3077
RID	: UN 3077
IMDG	: UN 3077
IATA	: UN 3077

### 14.2 UN proper shipping name

ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorantraniliprole)
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

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	(Chlorantraniliprole)
<b>RID</b>	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorantraniliprole)
<b>IMDG</b>	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorantraniliprole)
<b>IATA</b>	: Environmentally hazardous substance, solid, n.o.s. (Chlorantraniliprole)

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADN</b>	: 9	
<b>ADR</b>	: 9	
<b>RID</b>	: 9	
<b>IMDG</b>	: 9	
<b>IATA</b>	: 9	

### 14.4 Packing group

<b>ADN</b>	
Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90
Labels	: 9
<b>ADR</b>	
Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90
Labels	: 9
Tunnel restriction code	: (-)
<b>RID</b>	
Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90
Labels	: 9
<b>IMDG</b>	
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F
<b>IATA (Cargo)</b>	
Packing instruction (cargo aircraft)	: 956
Packing instruction (LQ)	: Y956
Packing group	: III
Labels	: Miscellaneous
<b>IATA (Passenger)</b>	



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Packing instruction (passenger aircraft)	:	956
Packing instruction (LQ)	:	Y956
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

#### 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 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

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REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E1 ENVIRONMENTAL HAZARDS

### The components 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
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
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

A chemical safety assessment is not required for this product (mixture).

## SECTION 16: Other information

### Full text of H-Statements

H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute	: Short-term (acute) aquatic hazard
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Aquatic Chronic 2004/37/EC	: Long-term (chronic) aquatic hazard
	: Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
CY OEL 2	: Cyprus. Occupational Exposure Limits (The Control of Factory Atmosphere and Dangerous Substances in Factories ).
2004/37/EC / TWA	: Long term exposure limit
CY OEL 2 / M.A.C.	: Maximum allowable concentration

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 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; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification procedure:

Based on product data or assessment
Based on product data or assessment

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