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

1.1 Product identifier

Product name AMICOR

Other means of identification

Product code 50000015

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

Use of the Sub- : Insecticide

stance/Mixture

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 Infor-

mation)

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 Infor-

mation Centre (24 hrs) - +27-(0)-82-446-8946

SECTION 2: Hazards identification

2.0 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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

gory 1

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Long-term (chronic) aquatic hazard, Cat-

egory 1

H410: Very toxic to aquatic life with long lasting

effects.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms

¥_2>

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 instruc-

tions for use.

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.

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

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

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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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Dry chemical, CO2, 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 prod: :

ucts

Thermal decomposition can lead to release of irritating gases

and vapors.

Nitrogen oxides (NOx) 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 cir-

cumstances 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.

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 materi-

al, use plenty of water.

6.4 Reference to other sections

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

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 ap-

plication 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.

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 expo-	Potential health ef-	Value
		sure	fects	





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propane-1,2-diol	Workers	Inhalation	Long-term systemic effects	168 mg/m3
	Workers	Inhalation	Long-term local ef- fects	10 mg/m3
	Consumers	Inhalation	Long-term systemic effects	50 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	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 ef- fects	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 per-

sonal 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 : $> 100 \, ^{\circ}\text{C}$

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

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.

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 inhala-

tion 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 inhala-

tion 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 ex-

change

Species: Mouse

Method: OECD Test Guideline 474

Result: negative

Germ cell mutagenicity- As-

sessment

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 - Assess-

ment

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 - As-

Effects on fetal development

sessment

Weight of evidence does not support classification for repro-

ductive toxicity

propane-1,2-diol:

Effects on fertility : Test Type: reproductive and developmental toxicity study

Species: Mouse Application Route: Oral Result: negative

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/m³
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/kgLOAEL: 160 mg/kgApplication Route: InhalationExposure 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.

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 organ-

isms

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 tox-

icity)

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 (Chron-

ic toxicity)

NOEC: 0.00447 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

Toxicity to soil dwelling or-

ganisms

LC50: > 1,000 mg/kg

Exposure time: 14 d

Species: Eisenia fetida (earthworms)

Toxicity to terrestrial organ-

isms

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 tox-

icity)

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 (Chron-

ic 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 (Chron-

ic toxicity)

NOEC: 13,020 mg/l Exposure time: 7 d

12.2 Persistence and degradability

Components:

Chlorantraniliprole:

Biodegradability Result: Not readily biodegradable.

Degradation half life (DT50): 10 d Stability in water

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: nlog Pow: 2.86 (20 °C)

octanol/water 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 environ: Koc: 244 - 464 mental compartments Remarks: immobile

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

Product:

Additional ecological infor-

mation

Environmental hazards

See product label for additional application instructions relat-

ing to environmental precautions.

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 chemi-

cal 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.

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 : 964

aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous

IATA (Passenger)

Packing instruction (passen: 964

ger aircraft)

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.

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.

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: Classification procedure:

Aquatic Acute 1 H400 Based on product data or assessment

Aguatic Chronic 1 H410 Calculation method

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