

SAFETY DATA SHEET



ALTACOR® insect control

Version	Revision Date:	SDS Number:	Date of last issue: -
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SECTION 1: Identification of the hazardous chemical and of the supplier

Product identifier

Product name : ALTACOR® insect control

Recommended use of the chemical and restrictions on use

Recommended use : Insecticide

Restrictions on use : Use as recommended by the label.

Manufacturer or supplier's details

Principal Supplier : FMC Corporation
2929 WALNUT ST
PHILADELPHIA PA 19104
USA
(215) 299-6000
SDS-Info@fmc.com

Local registrant : FMC Chemicals (Malaysia) Sdn Bhd
Level 16, 1 Sentral, Jalan Stesen Sentral 5, Kuala Lumpur Sen-
tral
50470, Kuala Lumpur, Malaysia
Phone No: +60320929423
Fax No: +603-2092 9201

Emergency telephone : For leak, fire, spill or accident emergencies, call:
CHEMTREC (Asia-Pacific Regional Number): +65 3163 8374

Medical emergency:
All other countries: +1 651 / 632-6793 (Collect)
1 703 / 741-5970 (CHEMTREC - International)

SECTION 2: Hazards identification

Classification of the hazardous chemical

Hazardous to the aquatic : Category 1
environment - acute hazard

Hazardous to the aquatic : Category 1
environment - chronic hazard

Label elements

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Hazard pictograms



Signal Word

: Warning

Hazard Statements

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

Precautionary Statements

: **Prevention:**

P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Disposal:

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

Other hazards which do not result in classification

None known.

SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture

: Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Chlorantraniliprole	500008-45-7	35

SECTION 4: 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

: Remove to fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

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.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

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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.

Most important symptoms and effects, both acute and delayed : None known.

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

Notes to physician : Treat symptomatically.

SECTION 5: Firefighting measures**Extinguishing media**

Suitable extinguishing media : Dry chemical
Water spray
Foam
Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

Physicochemical hazards arising from the chemical

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

Hazardous combustion products : Thermal decomposition can lead to release of irritating gases and vapors.
Nitrogen oxides (NO_x)
Carbon oxides
Hydrogen chloride
Sulfur oxides
Bromine compounds
Chlorine compounds

Special protective equipment and precautions for fire-fighters

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

Specific extinguishing methods : 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.

Remove undamaged containers from fire area if it is safe to do so.

Use a water spray to cool fully closed containers.

Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local cir-

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cumstances and the surrounding environment.

Hazchem Code : 2Z

SECTION 6: Accidental release measures

- Personal precautions, protective equipment and emergency procedures : 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.
- 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 : Collect as much of the spill as possible with a suitable absorbent material.
Pick up and transfer to properly labeled containers.
Never return spills in original containers for re-use.

Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Handling

Precautions for safe handling

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

Normal measures for preventive fire protection.
- 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.

Storage

Conditions for safe storage, including any incompatibilities

- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

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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.

SECTION 8: Exposure controls and personal protection

Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
kaolin	1332-58-7	TWA (Respirable particulates)	2 mg/m ³	MY PEL
		PEL (Respirable dust)	5 mg/m ³	MY PEL
		PEL (Total dust)	10 mg/m ³	MY PEL
		TWA (Respirable particulate matter)	2 mg/m ³	ACGIH

Individual protection measures, such as personal protective equipment

Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin protection : Dust impervious protective suit
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates

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that exposures are within recommended exposure guidelines.

Filter type : Particulates type

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.

SECTION 9: Physical and chemical properties

Physical state : solid

Form : granular

Color : light brown

Odor : slight, sweet

Odor Threshold : No data available

pH : 7 - 10 (25 °C)
Concentration: 10 g/l

Melting point/range : Not available for this mixture.

Boiling point/boiling range : Not applicable

Flash point : not determined

Evaporation rate : Not applicable

Flammability (solid, gas) : Not expected to be ignitable

Self-ignition : > 155 °C

Upper explosion limit / Upper flammability limit : Not available for this mixture.

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : Not applicable

Relative density : No data available

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Density	:	No data available
Bulk density	:	0.695 g/cm ³ loose 0.782 g/cm ³ Tapped
Solubility(ies) Water solubility	:	dispersible
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	Non-oxidizing
Particle size	:	not determined

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 used as directed. Dust may form explosive mixture in air.
Conditions to avoid	:	Avoid dust formation. Avoid extreme temperatures. Heat, flames and sparks.
Incompatible materials	:	Avoid strong acids, bases, and oxidizers.
Hazardous decomposition products	:	Sulfur oxides Halogenated compounds Nitrogen oxides (NO _x) Carbon oxides

SECTION 11: Toxicological information

Information on likely routes of exposure	:	None known.
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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
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 |

Skin corrosion/irritation

Not classified based on available information.

Product:

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

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Components:**Chlorantraniliprole:**

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

Serious eye damage/eye irritation

Not classified based on available information.

Product:

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

Components:**Chlorantraniliprole:**

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

Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

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

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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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

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

Not classified based on available information.

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Components:

Chlorantraniliprole:

Effects on fertility	:	Test Type: Two-generation study Species: Rat, male and female Application Route: Oral General Toxicity Parent: NOAEL: 20,000 ppm General Toxicity F1: NOAEL: 20,000 ppm Method: OECD Test Guideline 416 Result: negative
Effects on fetal development	:	Test Type: Pre-natal Species: Rat Application Route: Oral Duration of Single Treatment: 6 - 20 d General Toxicity Maternal: NOEL: 1,000 mg/kg bw/day Developmental Toxicity: NOEL: 1,000 mg/kg bw/day Method: OECD Test Guideline 414 Result: negative
Reproductive toxicity - Assessment	:	Weight of evidence does not support classification for reproductive toxicity

STOT-single exposure

Not classified based on available information.

Components:

Chlorantraniliprole:

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

Not classified based on available information.

Product:

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

Chlorantraniliprole:

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

Components:

Chlorantraniliprole:

Species	:	Rat, male and female
NOEL	:	1188 - 1526 mg/kg
Application Route	:	Oral

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Exposure time : 90 d
Method : OECD Test Guideline 408

Aspiration toxicity

Not classified based on available information.

Components:**Chlorantraniliprole:**

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

Further information**Product:**

Remarks : No data available

SECTION 12: Ecological information**Ecotoxicity****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 (Daphnia magna (Water flea)): 0.00447 mg/l Exposure time: 21 d Remarks: Information refers to the main ingredient.
Toxicity to soil dwelling organisms	:	(Eisenia fetida (earthworms)): > 1,000 mg/kg Exposure time: 14 d Method: OECD Test Guideline 207
Toxicity to terrestrial organisms	:	LD50 (Colinus virginianus (Bobwhite quail)): > 2,250 mg/kg Exposure time: 14 d Method: US EPA Test Guideline OPPTS 850.2100 LD50 (Apis mellifera (bees)): 285.7 µg/bee Exposure time: 48 h End point: Acute contact toxicity

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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 |
| M-Factor (Acute aquatic toxicity) | : | 10 |
| Toxicity to fish (Chronic toxicity) | : | NOEC (Cyprinodon variegatus (sheepshead minnow)): 1.28 mg/l
Exposure time: 36 d

NOEC (Oncorhynchus mykiss (rainbow trout)): 0.110 mg/l
Exposure time: 28 d
Method: OECD Test Guideline 210
GLP: yes |
| Toxicity to daphnia and other | : | NOEC (Daphnia magna (Water flea)): 0.00447 mg/l |

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aquatic invertebrates (Chronic toxicity)	:	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
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 LD50 (<i>Apis mellifera</i> (bees)): > 0.005 µg/bee Exposure time: 48 h End point: Acute contact toxicity Remarks: Active substance dissolved in water LD50 (<i>Apis mellifera</i> (bees)): > 104.1 µg/bee Exposure time: 48 h End point: Acute oral toxicity Remarks: Active substance dissolved in acetone LD50 (<i>Apis mellifera</i> (bees)): > 0.0274 µg/bee Exposure time: 48 h End point: Acute oral toxicity Remarks: Active substance dissolved in water LD50 (<i>Poephila guttata</i> (zebra finch)): > 2,250 mg/kg

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.
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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

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.

SECTION 13: Disposal information**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 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.

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SECTION 14: Transport information

International Regulations

UNRTDG

UN number	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorantraniliprole)
Class	: 9
Subsidiary risk	: ENVIRONM.
Packing group	: III
Labels	: 9 (ENVIRONM.)

IATA-DGR

UN/ID No.	: UN 3077
Proper shipping name	: Environmentally hazardous substance, solid, n.o.s. (Chlorantraniliprole)
Class	: 9
Packing group	: III
Labels	: Miscellaneous
Packing instruction (cargo aircraft)	: 956
Packing instruction (passenger aircraft)	: 956
Environmentally hazardous	: yes

IMDG-Code

UN number	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, 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.

Hazchem Code	: 2Z
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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 specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

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Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

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
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

SECTION 16: Other information

Revision Date	: 23.01.2024
Date format	: dd.mm.yyyy

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
MY PEL	: Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.
MY PEL	: Malaysia. Factories and Machinery (Mineral Dust) Regulations - Permissible Exposure Limit
ACGIH / TWA	: 8-hour, time-weighted average
MY PEL / TWA	: Eight-hour time-weighted average airborne concentration
MY PEL / PEL	: Permissible exposure limit (PEL)

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

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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, 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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