

SAFETY DATA SHEET



Altacor Insecticide

Version 1.0

Revision Date 01.07.2018

Document no. 130000026706

This SDS adheres to the standards and regulatory requirements of New Zealand and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Altacor Insecticide

Recommended use of the chemical and restriction on use

Recommended use : Insecticide

Manufacturer, importer, supplier

Company : FMC New Zealand Limited

Street address : 6 Clayton Street, Newmarket, Auckland 1023

Telephone : 0800 658080

Telefax : (09)-271-2961

Emergency telephone number : NZ Poisons Information Centre Ph: 0800 764766
24-hour Medical Emergency: 0800 111174 Transport Emergency: 0800 387668

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001
Classified as a Dangerous Good according to NZS 5433

HSNO Classification:

9.1A : Aquatic toxicity (Acute or Chronic)

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary statements : Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

| Chemical Name | CAS-No. | Concentration |
|---------------------|-------------|---------------|
| Chlorantraniliprole | 500008-45-7 | 35 % |

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Other Ingredients

65 %

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.

- Inhalation : No hazards which require special first aid measures. Consult a physician after significant exposure.
- Skin contact : No hazards which require special first aid measures. If on skin, rinse well with water. Wash contaminated clothing before re-use.
- Eye contact : If easy to do, remove contact lens, if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
- Ingestion : No specific intervention is indicated as the compound is not likely to be hazardous. Rinse mouth with water. Consult a physician if necessary.
- Most important symptoms/effects, acute and delayed : No information available.
- Protection of first-aiders : No information available.
- Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Specific hazards : No information available.
- Special protective equipment for firefighters : Use personal protective equipment.
- Specific extinguishing methods : No information available.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. 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.
(on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.
Control Runoff.
- Hazchem Code : 2Z

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Wear suitable protective equipment.
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up : Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal.
Clean-up methods - large spillage Avoid dust formation. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).
If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.
- Additional advice : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE
Handling

- Technical measures/Precautions : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
Do not breathe spray mist. When using do not eat, drink or smoke.
- Precautions for safe handling : No information available.

Storage

- Suitable storage conditions : Keep out of the reach of children. Store in original container. Keep container tightly closed. Keep locked up. Do not store with feed, seeds or foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Control parameters

No information available.

- Engineering measures : Use only with adequate ventilation.

- Biological occupational exposure limits : No information available.

Personal protective equipment

- Respiratory protection : None specified.
- Hand protection : None specified.
- Eye protection : None specified.
- Skin protection : None specified.

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Hygiene measures : Avoid breathing spray mist. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, form, colour, etc.)

Physical state : solid
Form : granular
Colour : light brown

Odour : slight sweet

Odour Threshold : No information available.

pH : 7 - 10 (10 g/l) (25 °C)

Melting point/freezing point

No information available.

Initial boiling point and boiling range

No information available.

Flash point : No information available.

Evaporation rate : No information available.

Flammability (solid, gas) : No information available.

Upper/lower flammability or explosive limits

Upper explosion limit : No information available.
Lower explosion limit : No information available.

Vapour pressure : No information available.

Vapour density : No information available.

Density

Bulk density : 0.70 - 0.86 g/cm³
packed

Solubility(ies)

Water solubility : dispersible

Partition coefficient: n-octanol/water : No information available.

Auto-ignition temperature

Auto-ignition temperature : > 155 °C
Auto-ignition temperature

Decomposition temperature : No information available.

Viscosity

Viscosity, kinematic : No information available.

Molecular weight : No information available.

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10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | : No information available. |
| Chemical stability | : The product is chemically stable under recommended conditions of storage, use and temperature. No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. Polymerization will not occur. |
| Conditions to avoid | : No information available. |
| Materials to avoid | : None reasonably foreseeable. |
| Hazardous decomposition products | : Hazardous decomposition products Hydrogen cyanide (hydrocyanic acid) |

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Oral

Altacor Insecticide : LD50/Rat: > 5,000 mg/kg

Inhalation

Altacor Insecticide : LC50/4 h/Rat(dust/mist): > 6.2 mg/l

Dermal

Altacor Insecticide : LD50/Rat: > 5,000 mg/kg

Skin corrosion/irritation

 Altacor Insecticide : Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

 Altacor Insecticide : Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation

 Altacor Insecticide : Species: Mouse
Result: Animal test did not cause sensitization by skin contact.

Germ cell mutagenicity

Chlorantraniliprole : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

 Chlorantraniliprole : Animal testing did not show any carcinogenic effects.
Not classifiable as a human carcinogen.

Reproductive toxicity

 Chlorantraniliprole : Reproductive toxicity: No toxicity to reproduction
Animal testing showed no reproductive toxicity.
Teratogenicity: Animal testing showed no developmental toxicity.

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Specific Target Organ Toxicity

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

No information available.

Other

Chlorantraniliprole : Repeated dose toxicity:
Oral/multiple species
No toxicologically significant effects were found.
Dermal/Rat
No toxicologically significant effects were found.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Acute and prolonged toxicity to fish

Altacor Insecticide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 3.2 mg/l
LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 3.2 mg/l

Toxicity to aquatic plants

Altacor Insecticide : EbC50/72 h/Pseudokirchneriella subcapitata (green algae): > 5 mg/l

Acute toxicity to aquatic invertebrates

Altacor Insecticide : EC50/48 h/Daphnia magna (Water flea): 0.029 mg/l

Soil Ecotoxicity

Toxicity to soil dwelling organisms

Altacor Insecticide : 14 d/Eisenia fetida (earthworms): > 1,000 mg/kg
Method: OECD Test Guideline 207
(Data on the product itself), Information source: Internal study report

Terrestrial Vertebrate and Invertebrate Ecotoxicity

Altacor Insecticide : LD50/Colinus virginianus (Bobwhite quail): > 2,250 mg/kg
Method: US EPA Test Guideline OPPTS 850.2100
(Data on the product itself), Information source: Internal study report
LD50/48 h/Apis mellifera (bees):
Method: OECD Test Guideline 213
Oral, (Data on the product itself), Information source: Internal study report
LD50/48 h/Apis mellifera (bees):
Method: OECD Test Guideline 214
Contact, (Data on the product itself), Information source: Internal study report

Persistence and degradability

Altacor Insecticide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

Bioaccumulation

Altacor Insecticide : Does not bioaccumulate. Estimation based on data obtained on active ingredient.

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Mobility in soil

No information available.

Other adverse effects

Altacor Insecticide : See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATIONS

- Waste disposal methods : In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. Ensure container is empty.
- Contaminated packaging : Do not re-use empty containers. Burn in an appropriate incinerator, if circumstances permit. Otherwise crush or puncture and bury in an approved landfill. Dispose of this product only by using according to this label.

14. TRANSPORT INFORMATION

NZS 5433

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

IMDG

- UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorantraniliprole)
Class : 9
Packing group : III
Marine pollutant : yes

IATA

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

- Matters needing attention for transportation : Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197. If the product meets these special provisions, it may be shipped in New Zealand as a non-dangerous goods under provisions in NZS 5433 code which accepts IMDG and IATA classification.

15. REGULATORY INFORMATION

- HSNO Number : HSR007968

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HSNO Controls : E1, E2, E5, E6, E7, E8
I1, I3, I9, I11, I19, I21, I23, I29
P1, P3, P15, PG3
D5, D6, D7, D8
EM1, EM7, EM8, EM11, EM13, AH1

ACVM Number : P7831

16. OTHER INFORMATION

References

SDS Number: 130000026706

Revision Date/Version

Date of first preparation : 03.01.2018

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Version : 2.0

Significant change from previous version is denoted with a double bar.

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