

SAFETY DATA SHEET



Coragen® insecticide

Version 1.0

Revision Date 03.01.2018

Document no. 130000027866

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

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

Product name : Coragen® insecticide

Recommended use of the chemical and restriction on use

Recommended use : Insecticide

Manufacturer, importer, supplier

Company : FMC Australasia Pty Ltd
Street address : Building B' Level 2, 12 Julius Avenue,
NORTH RYDE, NSW 2113
Australia
Telephone : (02) 9923 6111
Telefax : (02) 9923 6011

Emergency telephone number : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. HAZARDS IDENTIFICATION

Product hazard classification

Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

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	18.4 %

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Other Ingredients

81.6 %

4. FIRST AID MEASURES

|| If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia 13 11 26.
|| Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

- Inhalation** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Skin contact** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Eye contact** : The material is not likely to be hazardous by eye contact, but flushing the eye if contact occurs is advisable. Consult a physician if necessary.
- Ingestion** : No specific intervention is indicated as the compound is not likely to be hazardous. 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** : The product is not flammable.
- Special protective equipment for firefighters** : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
- Specific extinguishing methods** : No information available.
- Further information** : (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** : .3Z

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Ensure adequate ventilation. 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	:	Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.
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.
Precautions for safe handling	:	The product is not flammable.

Storage

Suitable storage conditions	:	Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Store in a well-ventilated area away from heat and sunlight. Keep out of the reach of children.
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Storage period: Storage temperature: > 0 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Control parameters

No information available.

Engineering measures	:	Use only with adequate ventilation.
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Biological occupational exposure limits	:	No information available.
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Personal protective equipment

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

Hygiene measures	:	Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
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9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance (Physical state, form, colour, etc.)**

Physical state : liquid
Form : liquid, suspension
Colour : white

Odour : alcohol-like

Odour Threshold : No information available.

pH : 5 - 9 (10 g/l)

Melting point/freezing point

No information available.

Initial boiling point and boiling range

No information available.

Flash point : No flash up to boiling point.

Evaporation rate : No information available.

Flammability (solid, gas) : The product is not flammable.

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

Specific gravity : 1.08 - 1.10
(Relative density)

Solubility(ies)

Water solubility : No information available.
Solubility in other solvents : slightly soluble

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

Auto-ignition temperature

No information available.

Decomposition temperature : No information available.

Viscosity

Viscosity, kinematic : No information available.
Viscosity, dynamic : Not available for this mixture.

Molecular weight : No information available.

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10. STABILITY AND REACTIVITY

Reactivity	: No information available.
Chemical stability	: Stable at normal temperatures and storage conditions.
Possibility of hazardous reactions	: Polymerization will not occur.
Conditions to avoid	: No information available.
Materials to avoid	: No materials to be especially mentioned.
Hazardous decomposition products	: Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion.

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Oral

Coragen® insecticide : LD50/Rat: > 5,000 mg/kg

Inhalation

Coragen® insecticide : LC50/4 h/Rat(dust/mist): > 2 mg/l
The substance or mixture has no acute inhalation toxicity

Dermal

Coragen® insecticide : LD50/Rat: > 5,000 mg/kg

Skin corrosion/irritation

Coragen® insecticide : Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Coragen® insecticide : Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation

Coragen® insecticide : Species: mice
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.

Specific Target Organ Toxicity

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Specific target organ toxicity - repeated exposure

Coragen® 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**

Coragen® insecticide : LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 9.9 mg/l

Toxicity to aquatic plants

Coragen® insecticide : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 20 mg/l

Acute toxicity to aquatic invertebrates

Coragen® insecticide : EC50/48 h/Daphnia magna (Water flea): 0.035 mg/l

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

Coragen® insecticide : Environmental Hazards: Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Do not re-use empty containers.
Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If not recycling, break, crush, or puncture, and bury empty containers in a local authority landfill. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

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ADG

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class : 9
Packing group : III
Hazchem Code : .3Z

IMDG

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Chlorantraniliprole)
Class : 9
Packing group : III
Marine pollutant : yes

IATA

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Chlorantraniliprole)
Class : 9
Packing group : III

Matters needing attention for transportation : Not dangerous goods under ADG code when being transported in IBCs or other receptacles < 500 kg (Special Provision AU01). 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.

15. REGULATORY INFORMATION

SUSMP: General exemptions
APVMA number : 61519

16. OTHER INFORMATION

References

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Take notice of the directions of use on the label.

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.