

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2021

Revision: 17.12.2021

1 Identification

Product Name: TITAN FIPRONIL 200SC INSECTICIDE**Other Means of Identification:** Mixture**APVMA Approval Number:** 68315**Recommended Use of the Chemical and Restriction on Use:** Agricultural insecticide**Details of Manufacturer or Importer:**Titan Ag Pty Ltd
Princes Street Marina
Suite 15/16 Princes Street
Newport NSW 2106**Phone Number:** 02 9999 6655**Emergency telephone number:** 02 9999 6655

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.

Not subject to the ADG Code when transported in Australia by Road or Rail in packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs (refer to SP AU01). However if transported by Air or Sea, this provision does not apply.



Health hazard

STOT RE 1

H372 Causes damage to organs through prolonged or repeated exposure.



Environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Acute Toxicity (Dermal) 4

H312 Harmful in contact with skin.

Acute Toxicity (Inhalation) 4

H332 Harmful if inhaled.

Aquatic Acute 2

H401 Toxic to aquatic life.

Signal Word Danger**Hazard Statements**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2021

Revision: 17.12.2021

Product Name: TITAN FIPRONIL 200SC INSECTICIDE

(Contd. of page 1)

- P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / protective clothing.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P314 Get medical advice/attention if you feel unwell.
 P321 Specific treatment (see on this label).
 P330 Rinse mouth.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 120068-37-3	Fipronil (ISO)	20%

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause headache, nausea, dizziness, and weakness.

Skin Contact: Harmful in contact with skin.

Eye Contact: May cause eye irritation.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, nausea, diarrhoea, and vomiting.

Ingestion of large quantities of the concentrate may result in convulsions.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous decomposition products include oxides of carbon, nitrogen, sulphur, chlorine, and fluorine.

Product is non-flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2021

Revision: 17.12.2021

Product Name: TITAN FIPRONIL 200SC INSECTICIDE

(Contd. of page 2)

containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: •3Z

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into sealable open-top type containers for disposal.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Do not store for prolonged periods in direct sunlight. Keep away from strong oxidising agents.

8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.**Respiratory Protection:**

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber, or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing including cotton overalls buttoned to the neck and wrist and a washable hat (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2021

Revision: 17.12.2021

Product Name: TITAN FIPRONIL 200SC INSECTICIDE

(Contd. of page 3)

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Cream to yellow
Odour:	Slight vegetable odour
Odour Threshold:	No information available
pH-Value:	7-9 (1% in water)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	Product is non-flammable.
Auto-ignition Temperature:	410 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available
Relative Density at 20 °C:	1.05-1.07 g/cm ³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Disperses in water.
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Prolonged exposure to direct sunlight.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon, nitrogen, sulphur, chlorine, and fluorine.

11 Toxicological Information

Toxicity:**LD50/LC50 Values:****CAS: 120068-37-3 Fipronil (ISO)**

Oral	LD50	91 mg/kg (mouse)
		92 mg/kg (rat)
	LD50	>2,000 mg/kg (rat)
Inhalation	LC50/4 h	445 mg/kg (rabbit)
		0.36-0.42 mg/l (mouse)

Acute Health Effects

Inhalation: Harmful if inhaled. May cause headache, nausea, dizziness, and weakness.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2021

Revision: 17.12.2021

Product Name: TITAN FIPRONIL 200SC INSECTICIDE

(Contd. of page 4)

Skin: Harmful if in contact with skin.**Eye:** May cause eye irritation.**Ingestion:**

Harmful if swallowed. May cause gastrointestinal irritation, nausea, diarrhoea, and vomiting. Ingestion of large quantities of the concentrate may result in convulsions.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for fipronil (ISO) for a human is 0.0002 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.02 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2021).

12 Ecological Information

Ecotoxicity: Highly toxic to bees both by direct contact or by ingestion.**Aquatic toxicity:****CAS: 120068-37-3 Fipronil (ISO)**

LC50	0.085 mg/l (bluegill)
	0.43 mg/l (carp)
	0.19 mg/l (daphnia)
	0.248 mg/l (rainbow trout)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2021

Revision: 17.12.2021

Product Name: TITAN FIPRONIL 200SC INSECTICIDE

(Contd. of page 5)

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number	UN3082
ADG, IMDG, IATA	
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
ADG, IATA	LIQUID, N.O.S. (Fipronil (ISO))
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
	LIQUID, N.O.S. (Fipronil (ISO)), MARINE POLLUTANT
Dangerous Goods Class	
ADG Class:	9
Packing Group:	
ADG, IMDG, IATA	III
Marine pollutant:	Symbol (fish and tree)
EMS Number:	F-A,S-F
Hazchem Code:	•3Z
Special Provisions:	274, 331, 335, 375, AU01
Transport/Additional information:	Not subject to the ADG Code when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs. (refer to SP AU01)
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP29

15 Regulatory Information**Australian Inventory of Industrial Chemicals:** Fipronil (ISO) is not found in AICIS.**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 6

Australian Pesticides and Veterinary Medicines Authority:

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 68315.

16 Other Information**Date of Preparation or Last Revision:** 17.12.2021**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2021

Revision: 17.12.2021

Product Name: TITAN FIPRONIL 200SC INSECTICIDE

(Contd. of page 6)

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 3: Acute toxicity – Category 3

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Data altered compared to the previous version:

Section 1: Product Name, APVMA Approval Number, Other Means of Identification, Details of Manufacturer or Importer; Section 2: Hazardous Nature; Section 4: Eye Contact, Symptoms Caused by Exposure; Section 5: Specific Hazards Arising from the Chemical; Section 6: Personal Precautions, Protective Equipment and Emergency Procedures; Section 7: Precautions for Safe Handling; Section 8: Skin Protection; Section 9: Flash Point, Explosion Limits (Lower, Upper), Partition Coefficient (n-octanol/water), Viscosity; Section 10: Conditions to Avoid; Section 11: LD50/LC50 Values, Acute Health Effects (Ingestion), Respiratory or Skin Sensitisation; Section 12: Aquatic toxicity, Persistence and Degradability, Bioaccumulative Potential, Mobility in Soil, Other adverse effects; Section 14: UN Number (ADG, IMDG, IATA), Proper Shipping Name (ADG, IMDG, IATA), Dangerous Goods Class (ADG Class, IMDG Class, IATA Class), Packing Group (ADG, IMDG, IATA), Marine pollutant, EMS Number, Hazchem Code, Special Provisions, Transport/Additional information, Limited Quantities, Packing & IBCs - Packing Instruction, Packing & IBCs - Special Packing Provisions, Portable Tanks & Bulk Containers - Instructions, Portable Tanks & Bulk Containers - Special Provisions; Section 15: Australian Inventory of Industrial Chemicals, Australian Pesticides and Veterinary Medicines Authority.

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020"

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