

Safety Data Sheet

according to WHS Regulations

Printing date 10.12.2021

Revision: 10.12.2021

1 Identification

Product Name: TITAN CHLORANTRANILIPROLE 350 WG INSECTICIDE

Other Means of Identification: Mixture

APVMA Approval Number: 90318

Recommended Use of the Chemical and Restriction on Use: 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).

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



Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Signal Word Warning

Hazard Statements

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

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: 500008-45-7	Chlorantraniliprole	 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	35.0%
------------------	---------------------	--	-------

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.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 10.12.2021

Revision: 10.12.2021

Product Name: TITAN CHLORANTRANILIPROLE 350 WG INSECTICIDE

(Contd. of page 1)

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 cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth with water. Do not give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: No adverse health effects expected.

Skin Contact: No adverse health effects expected.

Eye Contact: No adverse health effects expected.

Ingestion: No adverse health effects expected.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Water spray, foam, dry chemical, or carbon dioxide. Do NOT use high volume water jet (contamination risk).

Specific Hazards Arising from the Chemical:

Hazardous combustion products include hydrogen cyanide (hydrocyanic acid).

Product is non-flammable.

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

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

HAZCHEM Code: 2Z

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 dust. 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:

Clean up promptly by scoop or vacuum. Shovel spilled material and place into a suitable container 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 dust. 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 away from heat and direct sunlight.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 10.12.2021

Revision: 10.12.2021

Product Name: TITAN CHLORANTRANILIPROLE 350 WG INSECTICIDE

(Contd. of page 2)

8 Exposure Controls and Personal Protection

Exposure Standards:

Nuisance dust:

TWA - 10 mg/m³ (total dust)TWA - 2 mg/m³ (inspirable dust)**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:

Waterproof 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 (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.

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:**

Granular solid

Colour:

Light brown

Odour:

Slight sweet

Odour Threshold:

Not determined.

pH-Value (10 g/l) at 25 °C:

7-10

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:

>155 °C

Decomposition Temperature:

No information available

Explosion Limits:**Lower:**

No information available

Upper:

No information available

Vapour Pressure:

No information available

Density:0.70-0.86 g/cm³ (packed)**Relative Density:**

No information available

Vapour Density:

No information available

Evaporation Rate:

No information available

Solubility in Water:

Dispersible

Partition Coefficient (n-octanol/water): No information available**Viscosity:**

No information available

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 10.12.2021

Revision: 10.12.2021

Product Name: TITAN CHLORANTRANILIPROLE 350 WG INSECTICIDE

(Contd. of page 3)

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:** Heat and direct sunlight.**Incompatible Materials:** None known.**Hazardous Decomposition Products:** Hydrogen cyanide (hydrocyanic acid).

11 Toxicological Information

Toxicity:**LD50/LC50 Values:****CAS: 500008-45-7 Chlorantraniliprole**

Oral	LD50	>5,000 mg/kg (rat)
	LD50	>5,000 mg/kg (rat)
Inhalation	LC50/4 h	>5.1 mg/l (rat)

Acute Health Effects**Inhalation:** No adverse health effects expected.**Skin:** No adverse health effects expected.**Eye:** No adverse health effects expected.**Ingestion:** No adverse health effects expected.**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:

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

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

The Australian Acceptable Daily Intake (ADI) for Chlorantraniliprole for a human is 1.6 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 158 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).

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 10.12.2021

Revision: 10.12.2021

Product Name: TITAN CHLORANTRANILIPROLE 350 WG INSECTICIDE

(Contd. of page 4)

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

CAS: 500008-45-7 Chlorantraniliprole

EC50/48 h 0.011 mg/l (daphnia)

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.**Special Precautions for Landfill or Incineration:**

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

14 Transport Information

UN Number

ADG, IMDG, IATA

UN3077

Proper Shipping Name

ADG, IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Chlorantraniliprole)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Chlorantraniliprole), 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:

2Z

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:**

5kg

Packagings & IBCs - Packing Instruction:

P002, IBC08, LP02

Packagings & IBCs - Special Packing Provisions: PP12, B3**Portable Tanks & Bulk Containers - Instructions:** T1, BK2, BK3

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 10.12.2021

Revision: 10.12.2021

Product Name: TITAN CHLORANTRANILIPROLE 350 WG INSECTICIDE

(Contd. of page 5)

Portable Tanks & Bulk Containers - Special Provisions:

TP33

15 Regulatory Information

Australian Inventory of Industrial Chemicals: This chemical is not found in AICIS.**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**

Not a scheduled poison.

Australian Pesticides and Veterinary Medicines Authority:

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 90318.

16 Other Information

Date of Preparation or Last Revision: 10.12.2021**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

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)

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

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

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"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Titan Ag Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.