



Safety Data Sheet

according to WHS Regulations

Printing date 12.08.2020

Revision: 12.08.2020

1 Identification

Product Name: TITAN INDOXACARB 300 WG INSECTICIDE

Other Means of Identification: Mixture

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.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

STOT RE 1

H372 Causes damage to the heart, the blood and the nervous system through prolonged or repeated exposure.



environment

Aquatic Acute 1

H400 Very toxic to aquatic life.

Aquatic Chronic 1

H410 Very toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Acute Toxicity (Inhalation) 4

H332 Harmful if inhaled.

Skin Sensitisation 1B

H317 May cause an allergic skin reaction.

Signal Word Danger

Hazard Statements

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H372 Causes damage to the heart, the blood and the nervous system through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

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Precautionary Statements

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 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.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P330 Rinse mouth.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P314 Get medical advice/attention if you feel unwell.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P321 Specific treatment (see on this label).
 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: 173584-44-6	Indoxacarb (ISO)	30%
	 Acute Toxicity (Oral) 3, H301; STOT RE 1, H372; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Toxicity (Inhalation) 4, H332; Skin Sensitisation 1B, H317	

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.

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.

Ingestion:

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

Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled.

Skin Contact: May cause allergic skin reaction.

Eye Contact: May cause irritation.

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Ingestion: Harmful if swallowed.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include carbon dioxide, nitrogen oxides, hydrogen fluoride and hydrogen chloride gas.

Product is not flammable. High concentrations of dust may form explosive mixtures in air.

Prevent run-off from fire fighting entering drains or water courses. Collect contaminated fire extinguishing water separately to be disposed of according with local regulations.

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

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 dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses. If significant spillages cannot be contained or contaminate waterways, local authorities should be advised. If the spill area is porous, the contaminated material must be collected for subsequent treatment or disposal.

Methods and Materials for Containment and Cleaning Up:

Clean the area using an industrial vacuum cleaner. Wet mopping and wiping is acceptable if vacuuming is not workable. Avoid dust generation. Collect spilt material and dispose of in accordance with local waste disposal requirements.

7 Handling and Storage

Precautions for Safe Handling:

Avoid dust formation.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

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.

Use prepared working solution as soon as possible and do not store.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed. Protect from heat and sources of ignition. Store above 0 °C. Store locked up.

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.

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Engineering Controls:

Ensure adequate ventilation of the working area, especially in confined areas. Provide for appropriate exhaust ventilation and dust collection at machinery.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

Skin Protection:

Wear cotton overalls buttoned to neck and wrist. Wear elbow length PVC 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 dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:	Dry, free flowing granules.
Form:	Solid
Colour:	Dark brown.
Odour:	Mild woody.
Odour Threshold:	Not determined.
pH-Value (10 g/l) at 20 °C:	7.5
Melting point/freezing point:	Not determined.
Initial Boiling Point/Boiling Range:	Not determined.
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Product is not self-igniting.
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour Pressure:	Not applicable.
Bulk Density:	800 kg/m ³
Relative Density:	0.8
Vapour Density:	Not applicable.
Solubility in Water:	Not determined.
Partition Coefficient (n-octanol/water):	Not determined.
Viscosity:	Not determined.

10 Stability and Reactivity

Possibility of Hazardous Reactions: High concentrations of dust may form explosive mixture in air.

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

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Conditions to Avoid: Heat and other sources of ignition. Avoid dust formation in confined spaces.**Incompatible Materials:** No further relevant information available.**Hazardous Decomposition Products:**

Carbon dioxide, oxides of nitrogen, hydrogen fluoride and hydrogen chloride gas formed under fire conditions.

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
CAS: 173584-44-6 Indoxacarb (ISO)		
Oral	LD50	1,867 mg/kg /male (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalation	LC50/4 h	>5.6 mg/l /(dust/mist) (rat)

Acute Health Effects**Inhalation:** Harmful if inhaled.**Skin:** May cause allergic skin reaction.**Eye:** No irritating effect.**Ingestion:** Harmful if ingested.**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:** Sensitisation possible through skin contact.**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 the heart, blood and the nervous system through prolonged or repeated exposure.

Aspiration Hazard: Not expected to be a hazard.**Chronic Health Effects:** May cause damage to the heart, blood and nervous system.**Existing Conditions Aggravated by Exposure:** Not expected to be a hazard.**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for Indoxacarb (ISO) for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 1 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', 2020).

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12 Ecological Information

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

Aquatic toxicity:

CAS: 173584-44-6 Indoxacarb (ISO)

EC50/48 h 1.7 mg/l (daphnia)

EC50/72 h >1.2 mg/l (green algae)

LC50/96 h 1.8 mg/l (rainbow trout)

Persistence and Degradability: The active ingredient is not readily biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected to occur.

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 of waste product according to applicable local and state government regulations.

Containers should be triple or pressure rinsed prior to disposal with water added to spray tank. Empty containers can be sent to landfill, when in accordance with local and state regulations. Empty containers and product should not be burnt.

Special Precautions for Landfill or Incineration:

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

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

Marine pollutant: Symbol (fish and tree)

15 Regulatory Information

Australian Inventory of Chemical Substances: This chemical is not found in AICS.

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 12.08.2020

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

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Abbreviations and acronyms:

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 - oral – Category 3

Acute Toxicity (Inhalation) 4: Acute toxicity - inhalation – Category 4

Skin Sensitisation 1B: Skin sensitisation, Hazard Category 1B

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 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 - May 2018”

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