

# Safety Data Sheet

according to WHS Regulations

Printing date 01.03.2022

Revision: 01.03.2022

## 1 Identification

**Product Name: TITAN ATLAS 500 WG APHICIDE****Other Means of Identification:** Mixture**APVMA Approval Number:** 61797**Recommended Use of the Chemical and Restriction on Use:** Agricultural aphicide**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).



Skull and crossbones

Acute Toxicity (Oral) 3      H301 Toxic if swallowed.



Health hazard

Carcinogenicity 2      H351 Suspected of causing cancer.



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 (Inhalation) 4      H332 Harmful if inhaled.

Skin Sensitisation 1      H317 May cause an allergic skin reaction.

**Signal Word** Danger**Hazard Statements**

H301 Toxic if swallowed.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P201      Obtain special instructions before use.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

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Revision: 01.03.2022

**Product Name: TITAN ATLAS 500 WG APHICIDE**

(Contd. of page 1)


- P202 Do not handle until all safety precautions have been read and understood.  
 P261 Avoid breathing 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/protective clothing/eye protection/face protection/hearing protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P321 Specific treatment (see on this label).  
 P330 Rinse mouth.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P312 Call a POISON CENTER/doctor 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.  
 P391 Collect spillage.  
 P405 Store locked up.  
 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: 23103-98-2	Pirimicarb	50%
		

#### Non Hazardous Components:

CAS: 14807-96-6	Talc	10-<30%
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### 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 occur.

#### Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. Give activated charcoal if instructed.

#### Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Skin Contact: May be harmful in contact with skin. May cause an allergic skin reaction.

Eye Contact: May cause eye irritation.

Ingestion: Toxic if swallowed. Symptoms include headache, fatigue, dizziness, nausea, diarrhoea, stomach cramps, loss of appetite, excessive tearing, blurred vision, contracted pupils, excessive salivation and

(Contd. on page 3)

# Safety Data Sheet

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Revision: 01.03.2022

**Product Name: TITAN ATLAS 500 WG APHICIDE**

(Contd. of page 2)

sweating, slowed heartbeat, rippling of surface muscles, muscle twitching, chest tightness, incontinence, unconsciousness and seizures.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Water fog or spray, foam, dry chemical or carbon dioxide. Do not use full water jet, as it may scatter the spilled materials.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, nitrogen and sulfur, hydrogen cyanide, nitrogen compounds, sulphur compounds, sodium compounds, water and smoke.

Product is not flammable. However, it will burn in larger fire. It may form flammable or explosive dust clouds in air.

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: 2X

**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.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so. Sweep and shovel into drums for subsequent disposal. Consider vacuuming. Avoid generating dust. Provide adequate ventilation. Wash the spill area, preventing runoff to drains.

### 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. 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. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Store at temperatures below 30 °C. Keep away from strong oxidising agents, strong acids and strong bases.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:**

**CAS: 14807-96-6 Talc**

WES | TWA: 2.5 mg/m<sup>3</sup>

**Engineering Controls:**

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 01.03.2022

Revision: 01.03.2022

**Product Name: TITAN ATLAS 500 WG APHICIDE**

(Contd. of page 3)

**Respiratory Protection:**

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC or rubber 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:**

<b>Form:</b>	Granulated solid
<b>Colour:</b>	Green
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	91.6 °C
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	Product is not flammable. However, it will burn in larger fire. It may form flammable or explosive dust clouds in air.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available.
<b>Vapour Pressure:</b>	Not applicable.
<b>Bulk Density:</b>	0.61
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water at 20 °C:</b>	3.1 g/l
<b>Partition Coefficient (n-octanol/water):</b>	log POW 1.7

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** No dangerous reactions known under conditions of normal use.

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

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Strong oxidising agents, strong acids and strong bases.

**Hazardous Decomposition Products:**

Oxides of carbon, nitrogen and sulfur, hydrogen cyanide, nitrogen compounds, sulphur compounds, sodium compounds, water and smoke.

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Printing date 01.03.2022

Revision: 01.03.2022

**Product Name: TITAN ATLAS 500 WG APHICIDE**

(Contd. of page 4)

## 11 Toxicological Information

**Toxicity:****LD50/LC50 Values:****CAS: 23103-98-2 Pirimicarb**

Oral	LD50	124 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)
Inhalation	LC50/4 h	>0.75 mg/l (rat)
	LC50/6 h	0.3 mg/l (rat)

**Acute Health Effects****Inhalation:** Harmful if inhaled. May cause respiratory irritation.**Skin:** May be harmful in contact with skin. May cause an allergic skin reaction.**Eye:** May cause eye irritation.**Ingestion:**

Toxic if swallowed. Symptoms include headache, fatigue, dizziness, nausea, diarrhoea, stomach cramps, loss of appetite, excessive tearing, blurred vision, contracted pupils, excessive salivation and sweating, slowed heartbeat, rippling of surface muscles, muscle twitching, chest tightness, incontinence, unconsciousness and seizures.

**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:** May cause an allergic skin reaction.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** Suspected of causing cancer.**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 information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for pirimicarb for a human is 0.002 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.4 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:****Aquatic toxicity:**

Very toxic to aquatic life with long lasting effects.

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Printing date 01.03.2022

Revision: 01.03.2022

**Product Name: TITAN ATLAS 500 WG APHICIDE**

(Contd. of page 5)

<b>CAS: 23103-98-2 Pirimicarb</b>	
LC50/96 h	55 mg/l (bluegill) 29 mg/l (rainbow trout)

**Persistence and Degradability:** This product is biodegradable and will not accumulate in soil or water.

**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 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

<b>UN Number</b>	UN2757
<b>ADG, IMDG, IATA</b>	
<b>Proper Shipping Name</b>	CARBAMATE PESTICIDE, SOLID, TOXIC (Pirimicarb), ENVIRONMENTALLY HAZARDOUS
<b>ADG</b>	CARBAMATE PESTICIDE, SOLID, TOXIC (Pirimicarb), MARINE POLLUTANT
<b>IMDG</b>	CARBAMATE PESTICIDE, SOLID, TOXIC (Pirimicarb), MARINE POLLUTANT
<b>IATA</b>	CARBAMATE PESTICIDE, SOLID, TOXIC (Pirimicarb)
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	6.1
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	III
<b>Marine pollutant:</b>	Symbol (fish and tree)
<b>EMS Number:</b>	F-A,S-A
<b>Hazchem Code:</b>	2X
<b>Special Provisions:</b>	61, 223, 274
<b>Excepted quantities (EQ):</b>	E1
<b>Limited Quantities:</b>	5 kg
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P002, IBC08, LP02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	B3
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T1
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP33

## 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All components are on the inventory, or in compliance with the inventory.

(Contd. on page 7)

# Safety Data Sheet

## according to WHS Regulations

Printing date 01.03.2022

Revision: 01.03.2022

**Product Name: TITAN ATLAS 500 WG APHICIDE**

(Contd. of page 6)

**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 61797.

**16 Other Information****Date of Preparation or Last Revision:** 01.03.2022**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.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)

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

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

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Carcinogenicity 2: Carcinogenicity – Category 2

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"

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