

# Safety Data Sheet

according to WHS Regulations

Printing date 03.12.2021

Revision: 03.12.2021

## 1 Identification

**Product Name:** TITAN ATRAZINE 900 WG HERBICIDE

**Other Means of Identification:** Mixture

**APVMA Approval Number:** 62191

**Recommended Use of the Chemical and Restriction on Use:** Agricultural herbicide

**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(L) or less; or IBCs (refer to SP AU01). However if transported by Air or Sea, this provision does not apply.



Health hazard

STOT RE 2                      H373 May cause damage to organs 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.



Skin Sensitisation 1        H317 May cause an allergic skin reaction.

**Signal Word** Warning

**Hazard Statements**

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

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

P272                      Contaminated work clothing should not be allowed out of the workplace.

P273                      Avoid release to the environment.

P280                      Wear protective gloves.

P302+P352              IF ON SKIN: Wash with plenty of water.

P314                      Get medical advice/attention if you feel unwell.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 03.12.2021

Revision: 03.12.2021

**Product Name: TITAN ATRAZINE 900 WG HERBICIDE**




(Contd. of page 1)

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: 1912-24-9	Atrazine (ISO)	90%
	 STOT RE 2, H373;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Skin Sensitisation 1, H317	

### 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if symptoms occur.

**Skin Contact:**

In case of skin irritation, immediately remove contaminated clothing and wash affected areas with water and soap for 5 minutes. Seek medical attention if symptoms persist.

**Eye Contact:**

In case of eye irritation, hold eyelids open and rinse with water for 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**Symptoms Caused by Exposure:**

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause mild skin irritation. May cause an allergic skin reaction, rash or inflammation.

Eye Contact: May cause mild eye irritation.

Ingestion: May cause mild irritation to mucous membranes, abdominal pain, diarrhoea and vomiting.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Water fog, foam, dry chemical or carbon dioxide. Water fog is the preferred medium. Do not use full water jet.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen, hydrogen cyanide, hydrogen chloride, other chlorine compounds, water and smoke.

Product is not 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.

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 03.12.2021

Revision: 03.12.2021

**Product Name: TITAN ATRAZINE 900 WG HERBICIDE**

(Contd. of page 2)

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate respiratory protection and protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. 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 and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Consider vacuuming.

### 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 in original container tightly closed when not in use. Protect from direct sunlight. Keep away from strong oxidising agents, strong acids and strong bases.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:**
**CAS: 1912-24-9 Atrazine (ISO)**

WES	TWA: 5 mg/m <sup>3</sup> Sen
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**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

**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:**

Cotton, 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.

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Printing date 03.12.2021

Revision: 03.12.2021

**Product Name: TITAN ATRAZINE 900 WG HERBICIDE**

(Contd. of page 3)

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Granules
<b>Colour:</b>	Light tan coloured
<b>Odour:</b>	Mild sweet odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	176 °C
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	Negligible at normal ambient temperatures.
<b>Relative Density:</b>	No information available
<b>Vapour Density:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Solubility in Water:</b>	Wettable
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	Not applicable

## 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:** Direct sunlight.

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

**Hazardous Decomposition Products:**

Oxides of carbon and nitrogen, nitrogen oxides, hydrogen cyanide, hydrogen chloride, other chlorine compounds, water and smoke.

## 11 Toxicological Information

**Toxicity:****LD50/LC50 Values:****CAS: 1912-24-9 Atrazine (ISO)**

Oral	LD50	1,750 mg/kg (mouse)
		3,090 mg/kg (rat)
		750 mg/kg (rabbit)
Inhalation	LD50	>3,000 mg/kg (rat)
		7,500 mg/kg (rabbit)
Inhalation	LC50/4 h	5.2 mg/l (rat)

**Acute Health Effects**

**Inhalation:** May cause mild respiratory irritation.

**Skin:** May cause mild skin irritation. May cause an allergic skin reaction, rash or inflammation.

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Printing date 03.12.2021

Revision: 03.12.2021

**Product Name: TITAN ATRAZINE 900 WG HERBICIDE**

(Contd. of page 4)

**Eye:** May cause mild eye irritation.**Ingestion:** May cause mild irritation to mucous membranes.**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.

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

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Atrazine is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**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 atrazine for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.5 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).

Repeated and prolonged exposure may cause respiratory distress, tremors, paralysis, weight gain, lowered blood cell counts and changes to the brain, heart, liver, lungs, ovaries, spleen, adrenal glands and other endocrine organs in laboratory animals.

## 12 Ecological Information

**Ecotoxicity:** Atrazine is non toxic to birds and bees.**Aquatic toxicity:** Very toxic to aquatic life with long lasting effects.**Persistence and Degradability:**

Atrazine is highly persistent in soil. Atrazine breaks down faster in acidic or alkaline soils than in neutral soils.

**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No 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.

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Printing date 03.12.2021

Revision: 03.12.2021

**Product Name: TITAN ATRAZINE 900 WG HERBICIDE**

(Contd. of page 5)

## 14 Transport Information

<b>UN Number ADG, IMDG, IATA</b>	UN3077
<b>Proper Shipping Name ADG, IMDG, IATA</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Atrazine (ISO))
<b>Dangerous Goods Class ADG Class: Subsidiary Risk:</b>	9
<b>Packing Group: ADG, IMDG, IATA</b>	III
<b>Marine pollutant:</b>	
<b>EMS Number:</b>	F-A,S-F
<b>Hazchem Code:</b>	2Z
<b>Special Provisions:</b>	274, 331, 335, 375, AU01
<b>Transport/Additional information:</b>	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)
<b>Limited Quantities:</b>	5 kg
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P002, IBC08, LP02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	PP12, B3
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T1, BK2, BK3
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP33

## 15 Regulatory Information

### Australian Inventory of Industrial Chemicals:

All ingredients are listed.

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

Poisons Schedule: 5

### Australian Pesticides and Veterinary Medicines Authority:

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 62191.

## 16 Other Information

**Date of Preparation or Last Revision:** 03.12.2021**Prepared by:** MSDS.COM.AU Pty Ltd

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

(Contd. on page 7)

# Safety Data Sheet

## according to WHS Regulations

Printing date 03.12.2021

Revision: 03.12.2021

**Product Name: TITAN ATRAZINE 900 WG HERBICIDE**

(Contd. of page 6)

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)

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – 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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