

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

1 Identification

Product Name: TITAN TYSON 8 COUNT HERBICIDE

Other Means of Identification: Mixture

APVMA Approval Number: 84433

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 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.

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



GHS05 Corrosion

Eye damage/irritation – Category 1

H318 Causes serious eye damage.



GHS09 Environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute toxicity - inhalation – Category 4 H332 Harmful if inhaled.

Skin corrosion/irritation – Category 2 H315 Causes skin irritation.

Skin sensitisation – Category 1 H317 May cause an allergic skin reaction.

Flammable liquids – Category 4 H227 Combustible liquid.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word Danger

Hazard Statements

H227 Combustible liquid.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

(Contd. on page 2)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

Product Name: TITAN TYSON 8 COUNT HERBICIDE

(Contd. of page 1)

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 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.
 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.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P321 Specific treatment (see on this label).
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
 P391 Collect spillage.
 P403 Store in well-ventilated place.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 52888-80-9	Prosulfocarb ⚠ Aquatic Chronic 2, H411; ⚠ Acute toxicity - oral – Category 4, H302; Skin sensitisation – Category 1, H317	75-80%
CAS: 87392-12-9	S-metolachlor ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute toxicity - inhalation – Category 4, H332; Skin sensitisation – Category 1, H317	10-15%
CAS: 78-83-1	Isobutanol ⚠ Flammable liquids – Category 3, H226; ⚠ Eye damage/irritation – Category 1, H318; ⚠ Skin corrosion/irritation – Category 2, H315; Specific target organ toxicity (single exposure) – Category 3, H335-H336	<10%
CAS: 64742-94-5	Solvent naphtha (petroleum), heavy arom. ⚠ Aspiration hazard – Category 1, H304	<10.0%
CAS: 90194-26-6	Benzenesulfonic acid, 4-C10-14-alkyl derivatives, calcium salts ⚠ Skin corrosion/irritation – Category 2, H315	<10.0%

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.

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.

(Contd. on page 3)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

Product Name: TITAN TYSON 8 COUNT HERBICIDE

(Contd. of page 2)

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 irritation persists.

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes serious eye damage.

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

5 Fire Fighting Measures

Suitable Extinguishing Media:

Water fog or fine spray, alcohol-resistant foam, dry chemical or carbon dioxide. Alcohol foam or water spray is recommended for large fires.

Do not use full water jet as it may spread the fire.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include toxic and irritating vapours.

Product is combustible.

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: •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.

Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

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 a suitable container for disposal. Decontaminate the spill area with detergent and water and rinse with a small volume of water.

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.

Take precautionary measures against static discharge. 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.

(Contd. on page 4)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

Product Name: TITAN TYSON 8 COUNT HERBICIDE

(Contd. of page 3)

Conditions for Safe Storage:

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

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 78-83-1 Isobutanol**WES TWA: 152 mg/m³, 50 ppm**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

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

Skin Protection:

Elbow-length chemical resistant 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:

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Slightly yellowish to brown
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	5-9 (1% w/v)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	85 °C (Pensky-Martens CC)
Flammability	Combustible
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density at 20 °C:	1.046 g/cm ³
Relative Density:	Not determined.
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity at 20 °C:	32.1 mPa.s
Organic solvents:	
Physical state	Liquid

(Contd. on page 5)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

Product Name: TITAN TYSON 8 COUNT HERBICIDE

(Contd. of page 4)

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: No further relevant information available.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:

CAS: 52888-80-9 Prosulfocarb

Oral	LD50	1,820 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	>4.72 mg/l (Rattus norvegicus (rat))

CAS: 87392-12-9 S-metolachlor

Oral	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	>2.91 mg/l (Rattus norvegicus (rat))

CAS: 78-83-1 Isobutanol

Oral	LD50	2,460 mg/kg (Rattus norvegicus (rat))
	LD50	3,400 mg/kg (Oryctolagus cuniculus (rabbit))
Inhalation	LC50/4 h	8,000 ppm (Rattus norvegicus (rat))

CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.

Oral	LD50	5,000 mg/kg (Rattus norvegicus (rat))
	LD50	2,000 mg/kg (Oryctolagus cuniculus (rabbit))

Acute Health Effects

Inhalation:

Harmful if inhaled.

May cause respiratory irritation.

Skin: Causes skin irritation.

Eye: Causes serious eye damage.

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

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: May cause an allergic skin reaction.

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

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

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.

(Contd. on page 6)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

Product Name: TITAN TYSON 8 COUNT HERBICIDE

(Contd. of page 5)

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 prosulfocarb for a human is 0.02 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 1.9 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', 2024)

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

Toxic to aquatic life.

CAS: 52888-80-9 Prosulfocarb

EC50/48 h 0.51 mg/l (Daphnia magna (water flea))

EC50/72 h 0.049 mg/l (Pseudokirchneriella subcapitata (algae))

LC50/96 h 0.84 mg/l (Oncorhynchus mykiss (rainbow trout))

CAS: 87392-12-9 S-metolachlor

EC50/48 h 26 mg/l (Daphnia magna (water flea))

LC50/96 h 11.9 ppm (Oncorhynchus mykiss (rainbow trout))

EC50/120hr 0.008 mg/l (Algae)

CAS: 78-83-1 Isobutanol

EC50/48 h 1,030 mg/l (Daphnia magna (water flea))

EC50/72 h 230 mg/l (Scenedesmus subspicatus (green algae))

LC50/96 h 1,330 mg/l (Oncorhynchus mykiss (rainbow trout))

CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.

EC50/48 h 12 mg/l (Daphnia magna (water flea))

EC50/72 h 2.5 mg/l (Skeletonema costatum (diatom))

LC50/96 h 45 mg/l (Pimephales promelas (fathead minnow))

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

UN3082

(Contd. on page 7)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

Product Name: TITAN TYSON 8 COUNT HERBICIDE

(Contd. of page 6)

Proper Shipping Name
ADG

3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (Prosulfocarb)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Prosulfocarb)

IMDG, IATA

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)

Excepted quantities (EQ):

E1

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: All ingredients are listed.

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 approval
number 84433.

16 Other Information

Date of Preparation or Last Revision: 25.11.2025**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

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)

Flammable liquids – Category 3: Flammable liquids – Category 3

Flammable liquids – Category 4: Flammable liquids – Category 4

(Contd. on page 8)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 26.11.2025

Revision date: 25.11.2025

Product Name: TITAN TYSON 8 COUNT HERBICIDE

(Contd. of page 7)

Acute toxicity - oral – Category 4: Acute toxicity – Category 4
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1
Skin sensitisation – Category 1: Skin sensitisation, Hazard Category 1
Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3
Aspiration hazard – Category 1: Aspiration hazard – 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

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 - June 2023”.

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.