1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	**Sabakem Terbuthylazine 875 WG Herbicide**
Other means of identification	Water dispersible granule containing chlorantraniliprole
Recommended use of the chemical and restrictions on use:	Agricultural herbicide for use as described on the product label.
Supplier:	Sabakem Pty Ltd
Street address:	Suite 809, Level 8, 2 Queen St Melbourne VIC 3000 Australia
Telephone no.:	03 9629 3979
Website:	www.sabakem.com
Emergency telephone:	Poisons Information Centre 13 11 26 (24 hours)

2. HAZARDS IDENTIFICATION

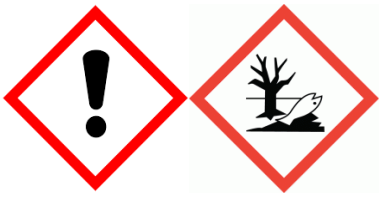
Classification of the substance mixture:

This material is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:
Acute Oral Toxicity Category 4
Eye irritation Category 2
Specific target organ toxicity (repeated exposure) Category 2

The following environment hazard categories fall outside the scope of the Workplace Health and Safety Regulations:
Skin irritation – Category 3
Aquatic acute toxicity – Category 1
Aquatic chronic toxicity – Category 1

SIGNAL WORD: WARNING



Hazard Statement(s):
H302: Harmful if swallowed
H319: Causes serious eye irritation
H373: May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:
Prevention:
P264: Wash contacted areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear eye/face protection.
P260: Do not breathe dust.

Response:
P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330: Rinse mouth
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.

Disposal:
P501: Dispose of contents/container as per container label, in accordance with local/state/territory government regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion (w/w)
Terbuthylazine	5915-41-3	87.5 %
Tetrasodium ethylene diamine tetraacetate	64-02-8	1 – 5 %
Terwet 1004	Proprietary	< 2 %
Other components are not considered hazardous in this formulation and therefore are not required to be disclosed according to the WHS Regulations.		

4. FIRST AID MEASURES

If poisoning occurs, contact a Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

Inhalation: If inhaled, bring affected person to fresh air. If symptoms develop, contact a Poisons Information Centre or a doctor at once.

Skin contact: Remove contaminated clothing and wash with plenty of water and soap. If symptoms develop, seek medical attention.

Eye contact: Flush eyes immediately with water or normal saline solution until the product is removed or until a few minutes after irritation has ceased. If symptoms develop, seek medical attention.

Ingestion: If swallowed, wash mouth with water and contact a Poisons Information Centre, or call a doctor. Do not induce vomiting unless told to do so by the Poisons Information Centre or doctor.

First aid facilities: Eyewash and normal washroom facilities.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment: In case of fire, use carbon dioxide, dry chemical, foam, water fog. Do not use full water jet.

Specific hazards arising from the chemical: Fire decomposition products from this product may be toxic if inhaled; do not inhale gases/smoke. Take appropriate protective measures.

Special protective equipment and precautions for fire-fighters: In case of fire and/or explosion do not breathe fumes. Cool containers at risk with water spray jet. If possible, remove containers from endangered area. Wear self-contained breathing apparatus and chemical-protective clothing. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately. Do not allow contaminated water to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Hazchem code: 2Z (bulk only)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Evacuate all non-essential personnel from affected area and call emergency services. Do not touch or walk through the spilled material. Wear full protective clothing including eye/face protection. All skin areas should be covered. It is good practice to wear impermeable gloves when handling chemical products. Avoid dust formation. Provide adequate ventilation. If ventilation is not adequate in the clean-up area, we recommend that you use a respirator. Refer to protective equipment as described in Section 8 of this safety data sheet.
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 contain spill. Because of the environmentally hazardous nature of this product, special care should be taken to restrict release to waterways or drains. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. HANDLING AND STORAGE

Precautions for safe handling:	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. Refer to Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under 'Storage' should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Conditions for safe storage, including any incompatibilities:	Store packages of this product in a cool place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from sources of ignition - No smoking. Keep in a cool, dry and well-ventilated place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under 'Incompatibilities' in Section 10. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	No value assigned for this specific product by Safe Work Australia (SWA). No biological limit allocated for the product or any of its ingredients. No biological monitoring is required.
Engineering controls:	Use in well-ventilated areas. If natural ventilation is inadequate, use local exhaust ventilation. Keep containers closed when not in use. Do not breathe dusts. Use good personal hygiene practices-wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes.

Individual protection measures, such as Personal Protective Equipment (PPE):
See container label safety directions. The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Observe good standards of hygiene and cleanliness. Always wash hands, arms and face thoroughly with soap and water before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment with detergent and warm water before storage or re-use.

Respiratory protection: Respiratory protective equipment is not needed under normal and intended conditions of product use. However, if protection is required, wear suitable respiratory protection and consult AS/NZS 1715 and AS/NZS 1716 for further information.

Eye and face protection: Avoid contact with eyes. Eye and face protection is not needed under normal and intended conditions of product use, however safety glasses with side protection should be worn as a general precaution. Consult AS/NZS 1336 and AS/NZS 1337 for further information.

Skin protection: Avoid contact with skin. Elbow-length rubber or chemical resistant gloves must be worn when opening the container and using the product. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid, granular
Colour:	Not determined
Odour:	Not determined
pH:	Not determined
Bulk Density:	Not determined
Melting point/Freezing point:	Not determined
Boiling point/range:	Not determined
Flash point:	Not determined
Evaporation point:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Solubility:	Not determined
Partition coefficient: n- octanol/water	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined

10. STABILITY AND REACTIVITY

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf-life properties.

Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: The product is stable under recommended storage and handling conditions

Conditions to avoid: Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Avoid dust formations.

Incompatible materials: Strong acids. Strong bases. Keep away from strong oxidising agents.

Hazardous decomposition products: Hydrogen cyanide (hydrocyanic acid). Thermal decomposition may result in the release of toxic and/or irritating fumes. Hydrogen cyanide (hydrocyanic acid), Carbon monoxide, Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Following is the acute toxicity data available for the active constituent Terbuthylazine[1]:
Acute oral toxicity: LD50 = > 1845 mg/kg bw

[1] Terbuthylazine | C9H16ClN5 | CID 22206 - PubChem

	Acute dermal toxicity: LD50 = > 3000 mg/kg bw Acute inhalation toxicity: LC50 = > 3510 mg/m3/4H
Skin irritation:	Causes mild skin irritation.
Eye irritation:	Causes serious eye irritation according to available information.
Respiratory or skin sensitisation:	Not a skin sensitiser and not expected to be a respiratory sensitiser according to classification principles, the classification criteria are not met.
Germ cell mutagenicity:	Not suspected to cause genetic defects according to classification principles, the classification criteria are not met.
Carcinogenicity:	Not considered to be carcinogenic according to classification principles, the classification criteria are not met.
Reproductive toxicity:	Not considered to be toxic to reproduction according to classification principles, the classification criteria are not met.
STOT-single exposure:	Not expected to cause toxicity to a specific target organ through single exposure according to classification principles, the classification criteria are not met.
STOT-repeated exposure:	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not expected to be an aspiration hazard according to classification principles, the classification criteria are not met.
Chronic health effects:	Not expected to cause chronic health effects according to classification principles, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Available information on this product indicates that this product is classified as an acute and chronic aquatic toxicant. **Toxicity data is available on the active constituent, Terbuthylazine**: LC50 (96h, Rainbow trout) = 3.4 ppm EC50 (Daphnia magna) = 50.9 ppm
Persistence/ Degradability:	Terbuthylazine is stable to aqueous hydrolysis. The hydrolysis half-lives for terbuthylazine in aqueous buffer solutions at 25 °C at pH 5, 7, and 9 are 63, >200, and >200 days, respectively.
Bioaccumulative potential:	Potential for bioconcentration of terbuthylazine is low.
Mobility in soil:	Terbuthylazine is expected to have moderate to low mobility in soil.

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations and the product label. Single rinse bags and triple or preferably pressure rinse containers before disposal before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

14. TRANSPORT INFORMATION

Road and rail transport:	Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport

of Dangerous Goods by Road and Rail when transported by road or rail in; (a) packagings that do not incorporate a receptacle exceeding 500 kg(L); (b) or IBCs.

Marine transport: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; MARINE POLLUTANT

UN Number:	3077
Proper Shipping Name or Technical Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS TERBUTHYLAZINE)
Transport Hazard Class:	9
Packaging Group:	III
IMDG EMS Fire:	F – A
IMDG EMS Spill:	S - F
Environmental hazards:	Yes. Marine Pollutant substance(s): TERBUTHYLAZINE
Additional Information:	The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg.

Air transport: IATA provision SP A197: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code when transported air in; packages that have inner packages (plastic bottles, glass bottles, plastic bags) of 5 L for UN3082 and 5 kg for UN3077 or less.

UN Number:	3077
Proper Shipping Name or Technical Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS TERBUTHYLAZINE)
Transport Hazard Class:	9
Packaging Group:	III
Additional Information:	IATA Special Provision A197: when transported in sizes of ≤ 5 L or ≤ 5 kg per packaging (inner or single) are not subject to the code.

15. REGULATORY INFORMATION

Poison schedule (SUSMP): 6
APVMA approval no.: 88351
AICIS: All the constituents of this material are either listed on the Australian Inventory of Industrial Chemicals (AIIC), not required due the nature of the chemical as they are excluded as an industrial chemical or have been assessed under the Industrial Chemicals Act 1989 as amended.

16. OTHER INFORMATION

General information: None
Issue number: 002
Issue date: 11 Sep 2025
In any event, the review and, if necessary, the re-issue of an SDS shall be no longer than 5 years after the last date of issue.
Reason(s) for issue: Five-year update and updated to latest GHS requirements
Key abbreviations or acronyms used:
ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
ADI – Acceptable Daily Intake
AICIS – Australian Industrial Chemicals Introduction Scheme (formerly NICNAS)
AIIC - Australian Inventory of Industrial Chemicals
APVMA – Agricultural Pesticides and Veterinary Medicines Australia
GHS - Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition) 2017
IARC - International Agency for Research on Cancer

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (July 2023)
LOAEL – Lowest Observed Adverse Effect Level
STEL - Short term exposure limit means the average airborne concentration of a substance calculated over a 15 minute period. The STEL should not be exceeded at any time during a normal eight hour working day.
SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons
SWA - Safe Work Australia, formerly ASCC and NOHSC
TGA – Therapeutic Goods Australia
TWA - Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.
WHS – Workplace Health and Safety

Key literary references: Terbuthylazine | C9H16ClN5 | CID 22206 - PubChem

The physical values and properties described in this SDS are typical values based on scientific literature and material produced to date, and are believed to be reliable. The manufacturer, Sabakem Pte Ltd provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The information is supplied upon the condition that the persons receiving information will make their own determination as to the suitability for their purposes prior to use of this product. Due care should be taken to ensure that the use of this product and its disposal is in compliance with all relevant Federal, State and Local Government regulations.

End of SDS