

## Section 1 - Identification of the Material and Supplier

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**Chemical nature:** Wettable granule concentrate containing terbuthylazine  
**Trade Name:** Conquest Terbaquest 875 WG Herbicide  
**APVMA Code:** 88599  
**Product Use:** Control of weeds in chickpeas, faba beans, field peas, lentils, lupins and triazine tolerant canola  
**Creation Date:** November, 2021  
**This version issued:** April, 2022 and is valid for 5 years from this date.  
**Poisons Information Centre: Phone 13 11 26 from anywhere in Australia**

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

This product is classified as: Xi, Irritating, N, Dangerous to the environment. Hazardous according to the criteria of SWA.

Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg (L) or less; or IBCs (refer to SP AU01). However if transported by Air or Sea, this provision does not apply. Then the product is classed as Dangerous (Class 9 Environmentally Hazardous) by IATA and IMDG/IMSBC respectively. See details below and in Section 14 of this SDS.

Note: differing Hazard Criteria of SWA and TGA may result in seeming inconsistencies between SDS and label.

**SUSMP Classification:** S6

**ADG Classification:** Class 9: Miscellaneous Dangerous Goods.

**UN Number:** 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.



### GHS Signal word: WARNING

OT4 Acute Toxicity - Oral: Category 4

#### HAZARD STATEMENT:

H302 Harmful if swallowed.

#### PREVENTION

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P264 Wash hands and exposed skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

#### RESPONSE

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

#### STORAGE

P410: Protect from sunlight.

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

#### DISPOSAL

P501: Dispose of contents and containers as specified on the registered label.

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### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, g/kg	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Terbutylazine	5915-41-3	875	not set	not set
Other non hazardous ingredients	secret	to 1 kg	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

- Inhalation:** Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
- Skin Contact:** Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
- Eye Contact:** If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice if irritation develops or persists.
- Ingestion:** If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

### Section 5 - Fire Fighting Measures

#### Suitable extinguishing media

Water fog, foam, carbon dioxide or dry chemical. Avoid strong water jets - airborne dusts may form a flammable dust cloud.

#### Hazards from Combustion Products

If involved in a fire, it will emit toxic fumes of cyanides, hydrogen chloride and possibly carbon oxides. Combustible solid.

#### Special Protective Equipment for fire fighters

Breathable air apparatus may have to be worn in confined spaces.

#### Other Information

STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

### Section 6 - Accidental Release Measures

#### Spills & Disposal

Recover the product by sweeping up or vacuuming without raising dust. Collect spilled material and waste in sealable open-top type containers for disposal.

#### Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

#### Environmental Precautions

Prevent from entering drains, waterways or sewers.

### Section 7 - Handling and Storage

#### Precautions for Safe Handling

Do NOT contaminate dams, rivers or streams, or any other water bodies with chemical or used containers. If dusts are generated, it is advisable to wear a dust mask, refer Section 8.

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## Conditions for safe storage, including any incompatibilities

Store in the closed, original container in a dry, well ventilated area out of direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

## Other Information

Always read the label and any attached leaflet before use.

## Section 8 - Exposure Controls and Personal Protection

### Appropriate engineering controls

Handle in well ventilated areas, generally natural ventilation is adequate.

### Respiratory Protection

If dusts are present, wear a class P1 dust mask.

### Personal Protective Equipment

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. Re-entry Period - Do not allow entry into treated areas for 8 days after treatment. When prior entry is necessary, wear all protective clothing and chemical resistant gloves. Read the label for any other instructions.

### Hygiene Measures

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

### Requirements Concerning Special Training

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

## Section 9 - Physical and Chemical Properties:

Form	Solid
Appearance	Off white granule
Odour	Odourless
Melting Point	176°C for terbuthylazine
Solubility in Water	Disperses in water.
Vapour Pressure	0.12 mPa for terbuthylazine
Volatile Component	<1%
Partition Coefficient: n-octanol/water	Kow Log P is 1.9 for terbuthylazine
Flammability	Combustible

## Section 10 - Stability and Reactivity

### Chemical Stability

Stable under normal conditions.

### Possibility of hazardous reactions

Keep away from strong oxidising agents, may react violently.

### Hazardous Polymerization

Hazardous polymerisation is not possible.

## Section 11 - Toxicological Information

### Toxicology Information

No harmful effects are expected if the precautions on the label and this MSDS are followed.

### Acute Toxicity – Oral

LD50 (rat) 1503 mg/kg for terbuthylazine

### Acute Toxicity – Dermal

LD50 (rat) >2000 mg/kg for terbuthylazine

### Acute Toxicity – Inhalation

LC50 (rat) (4hr) >5.3 mg/l for terbuthylazine

### Ingestion

Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.

### Inhalation

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Respiratory protection while spraying is recommended.  
Some temporary irritation may be experienced.

**Skin**

May irritate the skin.  
May cause sensitisation by prolonged skin contact.

**Eye**

May irritate the eyes.

**Skin Sensitisation**

Not a skin sensitizer.

**Reproductive Toxicity**

Data indicates no reproductive effects.  
Data indicates no teratogenic effects.

**Serious eye damage/irritation**

Not an eye irritant.

**Mutagenicity**

Data indicates no mutagenic effects.

**Skin corrosion/irritation**

Mild skin irritant.

**Other Information**

The Australian Acceptable Daily Intake (ADI) for terbuthylazine for a human is 0.003 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.35 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: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', September 2013).

## Section 12 - Ecological Information

**Persistence and degradability**

Average field half life of terbuthylazine is 75 days.  
This may be longer under cold or dry conditions.

**Other Precautions**

Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

**Environmental Protection**

Spray drift should be avoided, read the label for more information.  
Marine pollutant.

**Acute Toxicity – Fish**

The following is data for the active ingredient, terbuthylazine.  
LC50 (96hr) for rainbow trout is 2.2 mg/L.

**Acute Toxicity - Daphnia**

LC50 (48hr) for daphnia is 21.2 mg/L for terbuthylazine.

**Acute Toxicity - Algae**

EC50 (72hr) for Pseudokirchneriella subcapitata 0.012 mg/L.

**Acute Toxicity**

The following data is for the active ingredient, terbuthylazine.

**Other Organisms**

LD50 for bobwhite quail is >1236 mg/kg  
Bees: Not toxic to bees. LD50 >22.6 µg/bee.

## Section 13 - Disposal Considerations

**Product Disposal**

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

**Container Disposal**

Shake bag contents into spray tank until the bag is empty. Do not dispose of undiluted chemicals on site. Puncture or shred and deliver empty packaging for appropriate disposal at an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a

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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.

## Section 14 - Transport Information

**Not subject to the ADG Code when transported by Road or Rail in Australia, in packages 3000kg(L) or less; or IBCs, but classed as Dangerous by IATA and IMDG/IMSBC when carried by Air or Sea transport (see details below).**

**UN Number:** 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**Hazchem Code:** 2Z

**Dangerous Goods Class:** Class 9: Miscellaneous Dangerous Goods.

**Packing Group:** III

**Packing Instruction:** P002, IBC08, LP02

Class 9 Miscellaneous Dangerous Goods shall not be loaded in the same vehicle or packed in the same freight container with Dangerous Goods of Class 1 (Explosives).

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

## Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)

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End of SDS

## SAFETY DATA SHEET