

Rygel Triasulfuron 750 WG Herbicide

Not classified as hazardous according to the criteria of NOHSC.
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Rygel Australia Pty Ltd
ACN: 106 839 007
Street Address: 103 Ordish Road, Dandenong South Vic 3175
Telephone: (03) 9768 2803
Facsimile: (03) 9768 2804
Emergency telephone number: National Poisons Information Centre: Dial 13 11 26.

Product name: Rygel Triasulfuron 750 WG Herbicide
Product Type: Group B Herbicide
Formulation type: water dispersible granule
Chemical type: Sulfonyl urea
Hazchem Code: 2X
Dangerous Goods Class: None allocated
Sub Risk Class: 9
Packaging Group: III
Poison Schedule: exempt
Product Use: Herbicide for pre-plant control of annual ryegrass, Paradoxa grass and certain broadleaf weeds in wheat; and for post-emergent control of Wild Radish in wheat, oats and barley as specified in the Directions for Use table on the container label.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Conc. %	TWA mg/m ³	STEL mg/m ³
triasulfuron	82097-50-5	75	not set	not set
Other Non-hazardous ingredients	secret	to 100	not set	not set

3. HAZARDS IDENTIFICATION

Risk Phrase: Not Hazardous. No criteria found.
Safety Phrases: Not Hazardous. No criteria found.
UN Number: 3077

4. FIRST AID MEASURES

General information:

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 11 26 from anywhere in Australia.

Swallowed: If poisoning occurs contact a doctor or Poisons Information Centre.

Eye: Flush with large quantities of clean tap water for 15 minutes. Get to a doctor.

Skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

Inhalation: Move person to fresh air and keep at rest until recovered.

ADVICE TO DOCTOR

No specific antidote is available. If poisoning is suspected apply symptomatic therapy.

MATERIAL SAFETY DATA SHEET

5. FIRE-FIGHTING MEASURES

This product is non-flammable and non-explosive. Extinguish warehouse and factory fires using fine water spray or foam. Do not allow fire-water to enter drains.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release:

In case of spillage it is important to take all steps necessary to:

- Avoid contamination of all areas where vegetation grows - this is an extremely potent selective herbicide, and contaminated areas may not support vegetation for many years.
- Avoid eye and skin contact.
- Avoid contamination of waterways.

Procedure for spill:

- (1) Keep all bystanders away.
- (2) Wear full length clothing and PVC gloves.
- (3) Sweep up dust thoroughly and shovel into an uncontaminated drum, adding any broken containers.
- (4) If agricultural soil has been contaminated consider the option of removing and disposing of the contaminated soil to allow vegetation to grow and to stop further contamination.
- (5) Dispose of by burying in an approved secure landfill site.
- (6) Clean all contaminated equipment by rinsing in a dilute solution of 1 litre sodium hypochlorite (0.2%) solution, to 200 litres of water.

Note: In the unlikely event of a major prepared spray spill, consider the possible long term consequences to the vegetation. If good agricultural land is likely to be affected it may be necessary to contain and absorb the spill with a soil or sand dam. Disposal of sand/soil dam and any contaminated soil should be carried out as above.

7. HANDLING AND STORAGE

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that these measures are followed.

Storage: Ensure that containers of this product are kept tightly closed. Keep containers of this product in a well ventilated area. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. Check packaging – there may be further storage instructions on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS

No official exposure standards have been set for the ingredients of this product.

Exposure Potential - Swallowing is unlikely under normal conditions of usage. Significant skin uptake does not occur. Inhalation of spray mist is a possible route of exposure. This product is diluted with water prior to use as a spray. This diluted form is less toxic by all exposure routes.

Re-entry Period - Do not enter treated areas without protective clothing until spray has dried.

ENGINEERING CONTROLS

No special requirements. Product is used outdoors.

PERSONAL PROTECTION

Wash hands after use.

FLAMMABILITY

This product is NON-FLAMMABLE and non-combustible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey to beige granules
Odour:	Non-specific
Vapour pressure:	Not available
Specific gravity:	Not available
Flashpoint:	Non-flashing

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Flammability:	Non-flammable
Behaviour in water:	Not volatile
Explosive properties:	Non-explosive
Oxidising properties:	Non-oxidising
Ignition temperature:	Not available
Corrosiveness:	Non-corrosive
Combustibility:	Non-combustible
Volatility:	Non-volatile
Bulk density:	0.5 g/cm ³
pH (1% aqueous):	Not available
Particle size:	0.2 - 1.6 mm

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.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30 °C. Containers should be kept dry.

Incompatibilities: Water, strong oxidising agents.

Fire Decomposition: Non flammable. If the product is involved in an intense strong fire, it would evolve oxides of carbon and sulphur, hydrogen chloride, possibly phosgene. Most will have a foul odour. Fight fire from upwind and wear SCBA in any confined spaces. Use fire fighting equipment suitable for burning material. Control fire water as the product is a powerful herbicide and run-off is hazardous to land and waterways

Polymerisation: This product is unlikely to undergo polymerisation processes.

11. TOXICOLOGICAL INFORMATION

ACUTE Toxicity - This product is slightly hazardous (WHO Hazard Class III).

Swallowed: LOW TOXICITY Tests on rats indicate a low toxicity following single doses of the undiluted product. (LD50 >5000 mg/kg)

Dermal absorption: LOW TOXICITY. Tests on rats indicate a low toxicity due to skin contact with triasulfuron technical. (LD50 >2000 mg/kg)

Inhalation: LOW TOXICITY. Tests on rats indicate a low toxicity due to inhalation of triasulfuron technical. (LC50 (4 h) >5185 mg/m³)

Irritation

Eye: NON - IRRITANT (based on studies with rabbits)

Skin: NON - IRRITANT (based on studies with rabbits)

Sensitisation

Skin: NOT A SENSITISER (based on studies with guinea pigs).

Poisoning symptoms:

No case of human poisoning due to this product is on record. The poisoning symptoms observed for laboratory mammals were non-specific.

CHRONIC Toxicity (Active Ingredient)

Triasulfuron technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects was obtained.

12. ECOLOGICAL INFORMATION

Triasulfuron technical is practically non-toxic to birds, bees and fish.

This product is an extremely potent selective herbicide. Care should be taken to avoid all contact with non-target vegetation. Do not apply on or near shrubs, trees, lawns, or crops other than wheat. Do not drain or flush equipment near desirable trees or other plants, or in areas where soil seepage may occur. Do not allow spray to drift onto adjacent crops, fallow land or non-target desirable plants. All types of winter cereals (wheat, barley, oats, triticale and cereal rye) can be replanted the following season after use without restrictions. All other crops require a replanting interval. Refer to the product label booklet for full details of replanting intervals. Do not apply to irrigation drains or channels. Do not contaminate dams, streams, creeks, rivers or groundwater with the product, its diluted mixtures or application equipment.

MATERIAL SAFETY DATA SHEET

13. DISPOSAL CONSIDERATIONS

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

14. TRANSPORT INFORMATION

Store in the tightly sealed, original containers in a dry, secure, well-ventilated place away from fertilisers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.

Transport Classification – Sea (IMDG):

UN No.: 3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

Class: 9 SOLID, N.O.S. (CONTAINS TRIASULFURON)

Packing Group: III

Additional Information: Triasulfuron 75%

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

16. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. **Rygel Australia Pty Ltd** will not be responsible for any damages that may result from reliance on the information contained herein.

Contact:	Peter Howat	Mobile	0417 921 501
	103 Ordish Road	Phone	61 3 9768 2803
	Dandenong South, Vic 3175	Fax	61 3 9768 2804

National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia).