



## MATERIAL SAFETY DATA SHEET

# Turf Culture Coliseum Herbicide

Not Classified as Hazardous According to Criteria of NOHSC

### 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

**Product Name:** Turf Culture Coliseum Herbicide  
**Supplier:** Turf Culture Pty Ltd  
**ACN:** 117 986 615  
**Street Address:** Unit 9, 57-59 Horne Street  
Sunbury Vic 3429  
**Telephone:** 0413 587 682  
**Facsimile:** 03 9885 5973

**Recommended Use:** For the Control of Winter grass (*Poa annua*) in Turf.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization:** Granule

Ingredients Name	CAS	Proportion
Rimsulfuron	122931-48-0	25 %
Inert ingredients		75 %

### 3. HAZARD IDENTIFICATION

**Hazard Classification**

Non-Hazardous Substance  
Non-Dangerous Goods

**Other Information** Poisons Schedule S5

### 4. FIRST AID MEASURES

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice and show this MSDS to a medical practitioner.

**Skin:** In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before re-use.

**Inhaled:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice and show this MSDS to a medical practitioner.

**Swallowed:** If swallowed, seek medical advice and show this MSDS to a medical practitioner. Never give anything by mouth to an unconscious person.

**Advice to Doctor:**

No specific requirements. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**Fire/Explosion Hazard:**

Not a fire and explosion hazard. Like most organic powders, or crystals, under severe dusting conditions, this material may form explosive mixtures in air. Evacuate personnel to a safe area. Wear self-contained breathing apparatus and full protective equipment.

**Suitable extinguishing media:** water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>). On small fires, if area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the contamination hazard.

## 6. ACCIDENTAL RELEASE MEASURES

### Spills & Disposal

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal.

**Personal Protection** For appropriate personal protective equipment (PPE), refer Section 8. Onsite disposal of concentrate is not acceptable.

## 7. HANDLING AND STORAGE

**Conditions for Safe Storage:** Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

**Other Information:** Always read the label and any attached leaflet before use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Standards:** NOHSC has not assigned an exposure standard for rimsulfuron.

**Engineering Controls:** Use only with adequate ventilation.

**Personal Protection:** Avoid contact with eyes and skin. When opening the container and preparing spray wear face shield or goggles. If product comes into contact with the skin, immediately wash the area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

### Flammability:

This product poses no explosion hazard in the granular form.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Odour: No distinct odour
<b>Colour:</b>	Off-white to tan
<b>Form:</b>	Solid, water dispersible granules
<b>Other Physical Data:</b>	
<b>Bulk density:</b>	0.62 - 0.72 g/mL
<b>Solubility in water:</b>	Dispersible
<b>Chemical Family:</b>	Sulfonylurea
<b>pH (at 10 g/L H<sub>2</sub>O):</b>	7.0
<b>Partition Coefficient:</b> (n-octanol/water)	1.94 (pH 5) 0.034 (pH 7) (rimsulfuron)
<b>Vapour Pressure (at 25°C):</b>	<10 <sup>-5</sup> Pa

## 10. STABILITY AND REACTIVITY

### Reactivity Data:

Stable at normal temperatures and storage conditions. No incompatibilities reasonably foreseeable. Polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects

**Swallowed:** Very low toxicity by ingestion. Not classified as hazardous according to the criteria of NOHSC.

**Eyes:** Moderate eye irritant. Produced mild or moderate conjunctival redness, no or moderate iritis and slight or mild chemosis. All positive irritant effects cleared by 48 hours following treatment. Not classified as an eye irritant according to the criteria of NOHSC.

**Skin:** Slightly toxic by skin contact. Not hazardous by skin contact according to the criteria of NOHSC.

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**Inhalation:** Very low toxicity by inhalation. Not hazardous by inhalation according to the criteria of NOHSC.

**Chronic Effects**

None established for finished product.

**Rimsulfuron:** Animal studies have shown that repeated doses **DO NOT** produce carcinogenic, teratogenic, mutagenic or adverse reproduction effects.

**Mutagenicity:** Rimsulfuron was not genotoxic in the following assays: Ames assay, mutagenicity test in Chinese hamster Ovary Cells, unscheduled DNA synthesis in rat hepatocytes, chromosomal aberration study using human lymphocytes and in the *in vivo* micronucleus assay in mice.

**Carcinogenicity:** None of the components in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

### 12. ECOLOGICAL INFORMATION

**Environment:**

96 hr LC<sub>50</sub> (bluegill sunfish): =>1000 mg/L

96 hr LC<sub>50</sub> (rainbow trout): =>1000 mg/L

48 hr LC<sub>50</sub> (daphnia): =>1000 mg/L

Dietary LC<sub>50</sub> (bobwhite quail and mallard duck): =>5620 mg/kg

72 hr EC<sub>50</sub> (algae): =>1.2 mg/L (rimsulfuron)

Bioaccumulation: log POW = 0.29 (pH 5)/ -1.47 (pH 7)

### 13. DISPOSAL CONSIDERATIONS

**DO NOT** re-use container. Triple or preferably pressure rinse containers 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

This product may cause injury to or loss of trees and other vegetation, including aquatic plants. **DO NOT** apply or drain or flush equipment on or near trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots. In case of spill clear area of all unprotected personnel. Wear protective clothing to avoid contact with skin and eyes. Contain spill.

**DO NOT** allow product to enter waterways. Clean up by scoop or vacuum into open head drums. **DO NOT** sweep the powder. Where loss of trees or other vegetation including aquatic plants is a concern, clean up of a spill on the ground should include removal of the upper layer of top soil for disposal at a proper disposal site. Contact Local State or Federal Authority for advice on disposal of large quantities.

Decontaminate equipment by rinsing with a 0.5% by volume solution of chlorine bleach (5% sodium hypochlorite).

### 14. STORAGE & TRANSPORT INFORMATION

Store in the closed, original container in a cool, well-ventilated area.. Keep container tightly closed. **DO NOT** store for prolonged periods in direct sunlight. Keep from contact with fertilisers, insecticides, fungicides and seeds. **DO NOT** consume food, drink or tobacco in the areas where they may become contaminated with this material.

<b>U.N. Number</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Packing Group</b>	None Allocated
<b>Storage and Transport</b>	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.



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### 15. REGULATORY INFORMATION

**Poisons Schedule S5**

**Packaging & Labelling**

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**Contains:** Rimsulfuron 25%

### 16. OTHER INFORMATION

All due care and skill, so far as practicable, has been applied in the preparation and collation of the information in this MSDS. Each user of the Product named in this MSDS should read and consider the information contained in this MSDS in the context of how the Product will be stored, handled, used or applied in the workplace. In all circumstances, it is the responsibility of the user of the Product to ensure that they have sought out the relevant safety data appropriate to their particular situation. Nothing contained in this MSDS shall be construed as a representation or recommendation to the user about the suitability or otherwise of the Product named in this MSDS for the user's particular situation. If the user requires any clarification or further information, the user should contact Turf Culture Pty Ltd.

**CONTACT POINT:** Turf Culture Pty Ltd  
Unit 9, 57-59 Horne Street  
Sunbury Vic 3429

**Telephone:** 0413 587 682

**Facsimile:** 03 9885 5973

**National Poisons Information Centre:**

**Dial 13 11 26 (from anywhere in Australia)**

**Please read all labels carefully before using product.**