

# SAFETY DATA SHEET



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**Emergency Contact:**  
**1800 033 111**

## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name: eChem Triasulfuron 750 WG Herbicide**

**Other Names:** Triasulfuron. A sulfonylurea herbicide, Group B Herbicide.  
**Use:** Agricultural Herbicide for selective control of weeds in cereal crops.  
**Company:** eChem (Australia) Pty Ltd.  
**Address:** Level 4, Lantos Place, 80 Stamford Road, Indooroopilly, Qld, 4068.  
**ACN/ABN:** 089 133 095.  
**Telephone Number:** 1300 781 649 **Fax Number:** 1300 781 650  
**Emergency Contact:** 1800 033 111

## SECTION 2 HAZARDS IDENTIFICATION

**Not classified as hazardous according to criteria of Safe Work Australia.  
Not classified as a Dangerous Good according to the ADG Code.**

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients:

<i>CHEMICAL</i>	<i>CAS NUMBER</i>	<i>PROPORTION</i>
Triasulfuron	82097-50-5	750 g/kg
Other ingredients determined not to be hazardous		Balance

## SECTION 4 FIRST AID MEASURES

### FIRST AID

**Ingestion:** If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126. Wash mouth out with water and give water to drink.

**Eye contact:** Brush granules gently away. Hold eyes open and flood with clean water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. If irritation persists, seek medical advice.

**Skin contact:** Brush granules gently off clothing and skin. Remove contaminated clothing. Wash skin thoroughly with soap and water. If skin is irritated, seek medical advice.

**Inhalation:** Remove to fresh air and observe until recovered. If irritation or symptoms persists more than about 30 minutes, seek medical advice. Unlikely to be a route of exposure.

**Advice to Doctor:** Treat symptomatically.

## SECTION 5 FIRE FIGHTING MEASURES

**Specific Hazard:** Product will burn but propagates flame with difficulty.

**Extinguishing media:** Extinguish fire using carbon dioxide, dry chemical or foam. If not available, use waterfog or fine water spray but ensure all runoff is contained. Contain all runoff. For small fires consider letting fire burn itself out as water may increase the area contaminated.

**SECTION 5 FIRE FIGHTING MEASURES (Continued)**

**Hazards from combustion products:** On heating will emit toxic fumes. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk to of exposure to vapour or smoke.

**Precautions for fire-fighters and special protective equipment:** Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or vapours generated. Evacuate personnel to a safe area.

**Explosion hazard:** Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition, ie. flame or spark, may cause fire or explosion. Dust clouds generated by the fine grinding of the solid are a particular hazard; accumulations of fine dust (420 micron or less) may burn rapidly and fiercely if ignited. Once ignition has been initiated larger particles up to 1400 microns diameter will contribute to the propagation of an explosion.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Emergency procedures:** Isolate and post spill area. Keep out unprotected persons and animals. Wear cotton overalls, chemical resistant gloves and goggles. Large spills should be dyked. Vacuum, shovel or pump spilled material into an approved container and dispose of waste as indicated in section 13 or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Keep material out of streams and sewers.

**Material and methods for containment and cleanup procedures:** To clean spill area, tools and equipment, wash with a solution of alkali detergent and water. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected.

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

**SECTION 7 HANDLING AND STORAGE**

**Precautions for safe Handling:** No smoking, eating or drinking should be allowed where material is used or stored. Keep out of reach of children. Avoid contact with eyes and skin. DO NOT inhale spray mist. Wash hands after use.

**Conditions for safe Storage:** Store in the closed, original container in a well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight. Not classified as a Dangerous Good.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****National Exposure Standards:**

No exposure limits have been assigned by Safe Work Australia to the ingredients in this product, however, the TWA exposure standard for dusts not otherwise specified is 10 mg/m<sup>3</sup>.

**Biological Limit Values:**

No biological limit allocated.

**Engineering controls:**

Keep containers closed when not in use. No special engineering controls are required, however make sure that the work environment remains clean and that dust is minimised.

**Personal Protective Equipment (PPE):**

General: No specific personal protective equipment is required when handling this product. As with all pesticides good industrial hygiene should be practised and exposure minimised.

Personal Hygiene: Clean water should be available for washing in case of eye or skin contamination. Wash hands after use. After each day's use, wash gloves and contaminated clothing. Shower at the end of the workday.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Grey to beige free flowing granules.
<b>Odour:</b>	No data available.
<b>Boiling point:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Specific Gravity:</b>	Approximately 1.1.
<b>Solubility in Water:</b>	Disperses in water.
<b>pH:</b>	No data available.
<b>Flammability:</b>	Not flammable.
<b>Poisons Schedule:</b>	This product is not a scheduled poison.
<b>Formulation type:</b>	Water Dispersible Granule (WG).

**SECTION 10 STABILITY AND REACTIVITY**

**Chemical Stability:** Product is considered stable for a period of at least 2 years after manufacture.

**Conditions to avoid:** Do not store for prolonged periods in direct sunlight. Avoid alkaline materials.

**Incompatible materials:** Incompatible with strong oxidizing agents.

**Hazardous Decomposition Products:** When burned can emit toxic and noxious fumes.

**Hazardous Reactions:** Will not polymerise.

**SECTION 11 TOXICOLOGICAL INFORMATION**

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.

**Potential Health Effects:****ACUTE EFFECTS**

**Swallowed:** Low acute oral toxicity. Acute Oral LD<sub>50</sub> > 5000 mg/kg (rats) for similar formulation.

**Eye:** This product may cause physical eye irritation. Symptoms may include stinging and reddening of eyes and watering. This product is not an eye irritant.

**Skin:** This product is not a skin irritant and does not cause skin sensitisation. Acute dermal LD<sub>50</sub> > 2000 mg/kg. Low toxicity.

**Inhaled:** LC<sub>50</sub> > 5.18 mg/L/4hr. Low toxicity.

**CHRONIC EFFECTS**

**Chronic toxicity:** The following information is from repeated or prolonged exposure that occurred at higher levels than what would be expected in normal use: No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects were noted.

**SECTION 12 ECOLOGICAL INFORMATION**

**Environmental Toxicology:** Low toxicity to birds with an Oral LD<sub>50</sub> > 2150 mg/kg (quail and duck). Low to moderate toxicity to rainbow trout LC<sub>50</sub> (96 hr) > 100 mg/L and *Daphnia magna* (water flea) EC<sub>50</sub> > 100 mg/L. Very toxic to algae EC<sub>50</sub> (5-14 days) green *selenastrum* 0.035 mg/L. EC<sub>50</sub> (5-14 day) Algae, *scenedesmus*: 0.77 mg/L, EC<sub>50</sub> (5-14 day) Algae, *anabaena*: 1.7 mg/L, EC<sub>50</sub> (5-14 day) Algae, *navicula*: > 100 mg/L. Low toxicity to bees LD<sub>50</sub> > 100 µg/bee and earthworms LC<sub>50</sub> > 1000 mg/kg. Considered to be very toxic to aquatic organisms.

**Environmental Fate:** Animals mainly excrete Triasulfuron in urine in an unchanged form. TD<sub>50</sub> in forage is approx. 3 days. Degradation in soil is dependent on soil type, pH and temperature and moisture. Median DT<sub>50</sub> = 19 days

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Spills and Disposal:** Persons involved in cleanup require adequate skin protection - see section 8. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Ideally, the product should be used for its intended purpose. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

**Disposal of empty containers:** Triple-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, 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.

**SECTION 14 TRANSPORT INFORMATION**

**Transport:** This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Marine and Air Transport:** This product not classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

**SECTION 15 REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is not a scheduled poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 70396.

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia. Xi: Irritant.

This product is not classified as a Dangerous Good.

*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 16 OTHER INFORMATION**

Issue Date: 16 December 2015. Valid for 5 years, till 16 December 2020. (First issue).

Key to abbreviations and acronyms used in this SDS:

ADG Code: Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

Ataxia: Inability to control the coordinate movements of the muscles.

Bradycardia: Is a resting heart rate of under 60 beats per minute (adults).

Carcinogen: An agent which is responsible for the formation of a cancer.

Genotoxic: Capable of causing damage to genetic material, such as DNA.

Mutagenic: Able to produce a mutation (a change in the genetic material of cells).

Neurotoxicity: An adverse change in the structure or function of the nervous system.

Oedema: Accumulation of fluid in tissues.

PPE: Personal protective equipment.

Teratogen: An agent capable of causing abnormalities in a developing foetus, that is causing birth defects.

TWA: The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.

Safe Work Australia: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

**SECTION 16 OTHER INFORMATION (Continued)**

References

1. "Search Hazardous Substances". Safe Work Australia HSIS website. (2015).
2. "Approved Criteria for Classifying Hazardous Substances" 3<sup>rd</sup> Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.

*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 should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.*

*If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

End SDS.