



AGRO-ALLIANCE (AUSTRALIA) PTY LTD

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(AUSTRALIA) PTY LTD
A.B.N.11 130 864 603

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Section 1 - Identification of Chemical Product and Company

Triasulfuron , A sulfonylurea herbicide, Group B Herbicide

Trade Name: Agro-Essence Triasulfuron 750WG Herbicide

Product Use: A selective herbicide for use in cereal crops

Company: Agro-Alliance (Australia) Pty Ltd.

Address: 2, Mavron Street, Ashwood VIC 3147, Australia

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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:

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

Section 4 - First Aid Measures

FIRST AID

Ingestion: If swallowed do not induce vomiting. Wash mouth with water and give water to drink. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126.

Eye contact: Hold eyes open and flood gently with clean water until product is removed. Do not try to remove contact lenses unless trained. If irritation persists, seek medical advice.

Skin contact: Remove contaminated clothing. Wash skin gently with soap and water to



remove chemical. If skin irritation persists, seek medical advice.

Inhalation: Remove to fresh air and observe until recovered. If effects persist, seek medical advice.

Advice to Doctor: No specific antidote is available. If poisoning is suspected apply symptomatic therapy.

Section 5 - Fire Fighting Measures

Extinguishing media: Product will burn but propagates flame with difficulty. 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.

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.

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

Emergence procedures / Material and methods for containment and cleanup procedures:

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. If there is a significant chance



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that dust likely to build up in the cleanup area, the use of a respirator is recommended.

Remove all sources of ignition.

In the case of spillage, stop leak if safe to do so, and contain spill. Contain spill and sweep up and shovel or collect recoverable material into labelled containers for use, recycling or dispose as waste as indicated in section 13 or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Keep out animals and unprotected persons.

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use

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: Not classified as a Dangerous Good. 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.

Section 8 - Exposure Controls and Personal Protection

Exposure Guidelines: No exposure limits have been assigned by Safe Work Australia to the ingredients in this product.

Biological Limit Values: No biological limit allocated.

Engineering controls: No special ventilation requirements are normally necessary for this product. Keep containers closed when not in use.

Personal Protective equipment (PPE):

General: Do not breathe dust or spray mist. Avoid contact with eyes, skin and clothing. Wash thoroughly before smoking, eating or using toilet facilities. Wash hands after use. Wash clothing after use.

Respiratory Protection: Generally not required. Use of a respirator may be required in certain circumstances to protect from inhalation of dust and/or spray mist.

Eye protection: Not normally required. If in doubt wear protective glasses or goggles.



Skin protection: Not normally required. If in doubt wear protective clothing and gloves to avoid contact with the product.

Section 9 - Physical and Chemical Properties:

Appearance: Grey to beige free flowing granules.
Odour: Mild non-specific odour.
Freezing point: No data (product is a solid at room temperature).
Solubility in Water: Disperses in water.
pH: No data available.
Flammability: Not flammable.
Corrosive hazard: Not corrosive.
Poisons Schedule: Not a scheduled poison.

Section 10 - Stability and Reactivity

Chemical Stability: Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.
Conditions to avoid: Do not store for prolonged periods in direct sunlight.
Incompatible materials: Strong oxidising agents.
Hazardous decomposition products: When involved in a fire will emit toxic and noxious fumes.
Hazardous reactions: No particular reactions to avoid.

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: Acute oral LD50 > 5000 mg/kg. Low toxicity.



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 LD50 > 2000 mg/kg. Low toxicity.

Inhaled: LC50 > 5.18 mg/L/4hr. Low toxicity.

LONG TERM EXPOSURE:

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 LD50 > 2150 mg/kg (quail and duck). Low to moderate toxicity to rainbow trout LC50 (96 hr) > 100 mg/L and Daphnia magna (water flea) EC50 > 100 mg/L. Very toxic to algae EC50 (5-14 days) green selenastrum 0.035 mg/L. EC50 (5-14 day) Algae, scenedesmus: 0.77 mg/L, EC50 (5-14 day) Algae, anabaena: 1.7 mg/L, EC50 (5-14 day) Algae, navicula: > 100 mg/L. Low toxicity to bees LD50 > 100 µg/bee and earthworms LC50 > 1000 mg/kg. Considered to be very toxic to aquatic organisms.

Environmental Fate: Animals mainly excrete Triasulfuron in urine in an unchanged form. TD50 in forage is approx. 3 days. Degradation in soil is dependent on soil type, pH and temperature and moisture. Median DT50 = 19 days

Section 13 - Disposal Considerations

Spills and Disposal: Persons involved in cleanup require adequate skin protection - see section 8. In case of spillage, contain and absorb spilled material with absorbent material such as clay, sand or cat litter and dispose of waste as indicated below or in accordance to the Australian Standard 2507-Storage and Handling of Pesticides. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

Disposal of empty containers: 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 deliver empty packaging for appropriate disposal 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 and product..

For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Section 14 - Transport Information

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

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. 65112.

This product is not classified as a Hazardous Substance under the criteria of Safe Work Australia.

This product is classified as a Dangerous Good according to the ADG Code (7th Ed).

Section 16 - Other Information

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

THIS MSDS 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



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USER MUST REVIEW THIS MSDS 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 MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2001(2003)]