

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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

Other Names: Triasulfuron. A sulfonylurea herbicide, Group 2 Herbicide.
Use: A selective herbicide for use in cereal crops.
Company: AgMerch Pty Ltd
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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**.**

* Under Safe Work Australia this product is not classified as a hazardous substance.

** Not subjected to the ADG code when transported in Australia by Road or Rail in packages 500 kg (L) or less; or in IBC's (refer to SP AU01). However, if transported by Air or Sea, this provision does not apply. Then the product is classed as a Dangerous Good (Class 9 Environmentally Hazardous) by IATA and IMDG respectively. See Section 14 of this SDS for details.

Under the Globally Harmonised System (GHS) this product is a hazardous substance with the following environmental classification:

GHS Classification:

Hazardous to the Aquatic Environment – Acute Hazard: Hazard Category 1.
Hazardous to the Aquatic Environment – Long term Hazard: Hazard Category 1.

Signal Word: WARNING.

Hazard Statements:

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Disposal:

P501 Dispose of contents/container in accordance with national regulations.

Pictogram:



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 13 11 26.
- Eye contact:** Gently brush granules away and 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:** Gently brush granules away. Remove contaminated clothing. Wash skin with soap and water. If skin irritated persists, re-wash area and seek medical advice.
- Inhalation:** Remove to fresh air and observe until recovered. If effects persist, seek medical advice.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: Generally considered a low risk. Not flammable. This product, if scattered, may form flammable or explosive dust clouds in air.

Extinguishing media: Product is not flammable. Extinguish fire using media suited to burning material. If containers are ruptured contain all runoff. For small fires consider letting fire burn itself out as water may increase the area contaminated.

Hazards from combustion products: There is no risk of an explosion from this product involved in a fire. However, under severe dusty conditions this material may form explosive mixtures in air. 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

Emergency 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 that dust is likely to build up in the cleanup area, the use of a respirator is recommended. Remove all sources of ignition.

Large spills should be dyked or covered to prevent dispersal. If possible, granules may be recovered and used for their intended use. Vacuum shovel or pump spilled material into an approved container and dispose of waste as per the requirements of Local or State Waste Management Authorities. Keep out animals and unprotected persons.

Material and methods for containment and cleanup procedures: To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralisation step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected.

SECTION 6 ACCIDENTAL RELEASE MEASURES (continued)

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 / 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. Ensure that dust is kept to a minimum. Keep containers closed when not in use.

Personal Protective Equipment (PPE):

General: When opening the container and preparing spray wear elbow-length PVC gloves and goggles. If applying by hand wear cotton overalls over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves. If product on skin, immediately wash area with soap and water.

Personal Hygiene: If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing. Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

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.
Formulation type:	Water Dispersible Granule (WG).

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. *Endocrine disruption:* Triasulfuron does not belong to a class of chemicals known or suspected of having adverse effects on the endocrine system. There was no effect of triasulfuron on reproductive performance in a 2-generation rat reproduction study.

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. DT₅₀ 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. 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-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 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**

Road & Rail Transport: This product is exempt from classification as a Dangerous Good in packs less than 500 kg (L) or less; or in IBC's under the Australian Code for the Transport of Dangerous Goods by Road and Rail. For bulk shipments this product is a class 9, UN 3082. (See special provision AU01).

SECTION 14 TRANSPORT INFORMATION (Continued)

Marine and Air Transport: AgMerch Triasulfuron 750 WG Herbicide is classified as a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air transport Association (IATA). If transporting by sea or air the following Dangerous Goods Classification applies:- UN 3077, Class 9 (Miscellaneous Dangerous Goods), Packing Group III, Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Triasulfuron). Hazchem code 2Z. Hazard Identification Number (HIN) 90. Australian Standards Initial Emergency Response Guide No. 47.

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. 91707.

This product is not classified as a Hazardous Substance under the criteria of Safe Work Australia. This product is classified as hazardous under GHS (environmental classification).

This product is not classified as a Dangerous Good according to the ADG Code for packages 500 kg (L) or less; or in IBC's (refer to SP AU01) (7th Ed).

This product is classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

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: 15 July 2023. Valid for 5 years till 15 July 2028. (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).

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

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

HCIS: Hazardous Chemical Information System.

Lacrimation: The production, secretion, and shedding of tears.

Lavage: A general term referring to cleaning or rinsing.

Mutagen: An agent capable of producing a mutation.

Pneumonitis: A general term that refers to inflammation of lung tissue.

PPE: Personal protective equipment.

Teratogen: An agent capable of causing abnormalities in a developing foetus.

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: Australian government statutory body established in 2008 to develop national policy relating to Worker Health & Safety and workers' compensation.

References

1. "Hazardous Chemicals Information System". Safe Work Australia HCIS website. (2021).
2. "Classifying Hazardous Substances" Safe Work Australia. August 2018.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2017 (7th Ed).

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