

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Bayonet 750 WG Herbicide**

Other Names: Triasulfuron. A sulfonylurea herbicide, Group B Herbicide.
Use: A selective herbicide for use in cereal crops.
Company: Apparent Pty Ltd
Address: Suite G.08, 762 Toorak Road, Hawthorn East, Vic. 3123
PO Box 3092, Cotham PO, Kew, Vic 3101
ACN/ABN: 143 724 136
Telephone Number: 03 9822 1321
Email: wardell@bigpond.net.au
Emergency Contact: 0411 227 338

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

Triasulfuron

Other ingredients determined not to be hazardous

CAS NUMBER

82097-50-5

PROPORTION

750 g/kg

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: If in eyes, gently brush granules away immediately, and rinse with clean water until chemical is removed. Seek medical advice. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained..

Skin contact: If on skin gently brush granules away. Wash skin with soap and water. Irritation of the skin is not expected, however if irritation occurs and persists, seek medical advice. Launder contaminated clothing before re-use.

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**

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 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****Emergency 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 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 / 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: Avoid contact with eyes and skin. DO NOT inhale spray mist. Wash hands after use. Although no specific personal protective equipment is required it is good occupational practice to wear suitable personal protective equipment such as overalls and chemical resistant gloves. Avoid contact with eyes and skin.

Personal Hygiene: 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.

SECTION 11 TOXICOLOGICAL INFORMATION (Continued)**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 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 container and deliver empty packaging for appropriate disposal to an approved waste management facility. Empty containers and product should not be burnt.

SECTION 14**TRANSPORT INFORMATION**

Road & Rail Transport: Apparent Bayonet 750 WG Herbicide is exempt from classification as a Dangerous Good in packs less than 3,000 kg or litres 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).

Marine and Air Transport: This product 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 3082, 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. 65112.

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

This product is not classified as a Dangerous Good according to the ADG Code for packs less than 3000 kg (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: 20 November 2015. Valid for 5 years till 20 November 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).

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

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

Endocrine: Relating to or denoting glands which secrete hormones or other products directly into the blood.

OCS: Office of Chemical Safety.

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

References

1. "Search Hazardous Substances". Safe Work Australia website. (2015).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2009.

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