

# SAFETY DATA SHEET

## SECTION 1

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Imazethapyr 700 WG Herbicide**

**Other Names:** Imazethapyr. Imidazolinone herbicide. Group B Herbicide.  
**Use:** A selective pre or post emergence agricultural herbicide.  
**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:** [enquiries@apparentag.com.au](mailto:enquiries@apparentag.com.au)  
**Emergency Contact:** 0411 227 338

## SECTION 2

## HAZARDS IDENTIFICATION

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

**Globally Harmonised System (GHS) classification of the substance/mixture:**

Eye Damage/Irritation Category 2B.  
Skin Corrosion/Irritation Category 2.  
Hazardous to the Aquatic Environment – Acute Hazard: Category 3.

**Signal Word:** WARNING.

**Hazard Statements:**

H315 Causes skin irritation.  
H320 Causes eye irritation.  
H402 Harmful to aquatic life.

**Precautionary statements:**

*Prevention:*

P264 Wash hands, arms and face thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

*Response:*

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see Safety direction on the product label).  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P363 Take off contaminated clothing and Wash before reuse.

*Disposal:*

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

**Pictogram:**



**SECTION 3****COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients:**

<b>CHEMICAL</b>	<b>CAS NUMBER</b>	<b>PROPORTION</b>
Imazethapyr	81335-77-5	700 g/kg
Other ingredients determined not to be hazardous		Balance

Trace quantities of impurities are possible.

**SECTION 4****FIRST AID MEASURES****FIRST AID**

**Ingestion:** If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126. If swallowed do NOT induce vomiting. Wash mouth out with water.

**Eye contact:** Gently brush granules away and rinse with water. If irritation occurs and persists, seek medical advice.

**Skin contact:** Gently brush granules away. Wash skin with soap and water. If irritation occurs and persists, seek medical advice. Irritation of the skin is not expected.

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

**Advice to Doctor:** Treat symptomatically. No specific antidote is available.

**SECTION 5****FIRE FIGHTING MEASURES**

**Specific Hazard:** Generally considered a low risk. Non-flammable solid.

**Extinguishing media:** Extinguish fire using media suited to burning material. If containers are ruptured contain all runoff. If waterspray is used, contain all runoff.

**Hazards from combustion products:** May evolve toxic gases (carbon and/or nitrogen oxides) when heated to decomposition. 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, i.e. flame or spark, may cause fire or explosion. Will not polymerise.

**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.

**SECTION 6****ACCIDENTAL RELEASE MEASURES**

**Emergency procedures:** In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. In the case of spillage, stop leak if safe to do so, and contain spill and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite. Collect recoverable product for use as labelled on the product. Vacuum, shovel or pump contaminated 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. Contain all runoff.

**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. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

This product is a herbicide and spills can damage crops, pastures and desirable vegetation. Prevent from entering drains, waterways or sewers. Use earthen bunds or absorbent bunding to prevent spreading of spillage.

**SECTION 7****HANDLING AND STORAGE**

**Precautions for Safe Handling:** No smoking, eating or drinking should be allowed where material is used or stored. Will damage eyes. Will irritate skin. Avoid contact with the eyes and skin. When preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. 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.

**Conditions for Safe Storage:** Store product in the closed, original container in a cool, well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight. This product is a Schedule 5 Poison (S5) and must be stored in accordance with the relevant Health Department regulations. Apparent Imazethapyr 700 WG Herbicide is not classified as Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**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:**

Use in naturally ventilated areas. Keep containers closed when not in use. No special engineering controls are required. It is good industrial hygiene to keep work places clean and dusts are minimised.

**Personal Protective Equipment (PPE):**

General: Wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. 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.

Personal Hygiene: Will damage eyes. Will irritate skin. Avoid contact with the eyes and skin. 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**

<b>Appearance:</b>	Tan granular solid.
<b>Odour:</b>	Faint rubbery odour.
<b>Boiling point:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Bulk Density:</b>	No data available.
<b>Solubility in Water:</b>	Disperses in water. Not soluble.
<b>pH:</b>	No data available.
<b>Flashpoint (°C):</b>	Not flammable.
<b>Flammability:</b>	Not flammable.
<b>Poisons Schedule:</b>	This product is a Schedule 5 (S5) poison.
<b>Formulation:</b>	Water dispersible granule.

**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 oxidizing agents, strong acids, strong bases. Incompatible with aluminium

**Hazardous decomposition products:** None under normal conditions. May evolve toxic gases (carbon and/or nitrogen oxides, hydrocarbons) when heated to decomposition (~180°C).

**Hazardous reactions:** Material is not known to polymerize.

**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. The estimated Acute Oral LD<sub>50</sub> (rat) > 5000 mg/kg.

**Eye:** Dust from the product maybe irritating to the eyes.

**Skin:** This product is irritating to the skin but is not a sensitiser. Repeated exposure can cause contact dermatitis which is characterised by redness, swelling and blistering. The estimated dermal LD<sub>50</sub> > 2000 mg/kg.

**Inhaled:** Inhalation of mists or sprays may produce respiratory irritation.

**Long Term Exposure:** In animal studies, Imazethapyr has shown no evidence of mutagenic effects, teratogenic effects, reproductive or carcinogenic effects.

**SECTION 12****ECOLOGICAL INFORMATION**

**Environmental Toxicology:** No information is available for the product. The following information refers to the active ingredient, Imazethapyr. Imazethapyr is practically non-toxic to birds. The oral LD<sub>50</sub> is greater than 2,150 mg/kg for bobwhite quail. Imazethapyr has low to moderate toxicity to fish. The (96 hr) LC<sub>50</sub> - 420 mg/L for Bluegill sunfish and 340 mg/L for rainbow trout. LC<sub>50</sub> (48 hr) > 1000 mg/L for daphnia magna). Imazethapyr is not toxic to bees. The LD<sub>50</sub> (48 hours) > 100 µg/bee.

**Environmental Fate:** No information is available for the product. The following information refers to the active ingredient, Imazethapyr. The half-life of Imazethapyr in soil is typically 10 days – moderately persistent. The product is moderately adsorbed to soil but tends not to leach.

**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. To decontaminate spill area, tools and equipment, wash with detergent and water and add the solution to the drums of wastes already collected and label contents. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities. On site disposal of the concentrated product is not acceptable. Ideally the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®)

**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**

**Transport:** Apparent Imazethapyr 700 WG Herbicide is not classified as Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail, the International Maritime Dangerous Goods (IMDG) Code or the International Air Transport Association (IATA). This product is a Schedule 5 Poison (S5) and must be stored in accordance with the relevant Health Department regulations.

**SECTION 15****REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a Schedule 5 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 67621.

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

This product is not classified as a Dangerous Good according to the ADG Code (7<sup>th</sup> Ed).

*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 July 2016. Valid for 5 years till 20 July 2021. (Revised to GHS).

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.

HSIS: Hazardous Substances 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: 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". HSIS - Safe Work Australia website. (2016).
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.