

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Clopyralid 750 SG Herbicide**

Other Names: Clopyralid. Group I Herbicide. Pyridines group herbicide.
Use: A granular broadleaf weed 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
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:
Not classified as a hazardous substance.

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

<i>CHEMICAL</i>	<i>CAS NUMBER</i>	<i>PROPORTION</i>
Chlorpyralid present as the potassium salt	58509-83-4	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: Not combustible.

Extinguishing media: Choose extinguishing media to suit the burning material. If waterspray is used, contain all runoff. Contain all runoff.

Hazards from combustion products: When involved in a fire may produce toxic and noxious fumes such as hydrogen chloride or phosgene. Will not polymerise.

SECTION 5 FIRE FIGHTING MEASURES (Continued)

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 ACCIDENTIAL RELEASE MEASURES

Emergence procedures: In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear elbow-length PVC gloves and face shield or goggles. In the case of spillage, stop leak if safe to do so, and contain spill. Sweep up product without generating dust 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. If material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Will irritate the eyes. Avoid contact with eyes. Wash hands after use. When opening the container and preparing the product for use, and when using the prepared spray, wear elbow-length PVC gloves and face shield or goggles. After each day's use, wash gloves and face shield or goggles.

Conditions for Safe Storage: This product is a Schedule 5 Poison (S5) and must be stored, transported and sold in accordance with the relevant Health Department regulations. Not classified as a Dangerous Good. Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in area sheltered from rainfall. DO NOT store near feed stuffs, fertilisers or seed.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines:**

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/m³.

Biological Limit Values:

No biological limit allocated.

Engineering controls:

Use in ventilated areas. Keep containers closed when not in use. No special engineering controls are required.

Personal Protective equipment (PPE):

General: When opening the container and preparing the product for use, and when using the prepared spray, wear elbow-length PVC gloves and face shield or goggles. After each day's use, wash gloves and face shield or goggles.

Personal Hygiene: Will irritate the eyes. Avoid contact with eyes. Wash hands after use. 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: Off white coloured granules.
Boiling point: No data available.
Freezing point: No data available.
Solubility in Water: Soluble in water.

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES (Continued)**

pH:	No data.
Flammability:	Not flammable.
Poisons Schedule:	S5.
Formulation type:	Water Soluble Granule (SG).

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: Keep away from strong oxidizing agents.

Incompatible materials: Not compatible with aluminium at high temperatures in the presence of water.

Hazardous decomposition products: When burned can emit toxic and noxious fumes. Will not polymerise.

Hazardous reactions: Polymerisation is unlikely.

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 LD₅₀ 3000 mg/kg (rats) for similar formulation.

Eye: This product may be slightly irritating to the eyes.

Skin: May cause sensitisation by skin contact. This product is not a skin irritant. Acute dermal LD₅₀ > 2,000 mg/kg for similar formulation.

Inhaled: The components of the product are of low volatility and no adverse effects are expected from handling the concentrate. Acute inhalation LC₅₀ > 1 mg/L/4 hours for clopyralid.

CHRONIC EFFECTS: Data indicates no reproductive or mutagenic effects. The weight of the evidence is that clopyralid is not carcinogenic.

SECTION 12 **ECOLOGICAL INFORMATION**

Environmental Toxicology: No data is available on this product. The following is data for the active ingredient, clopyralid. LC₅₀ (96 hr) for rainbow trout is 103.5 mg/L. LC₅₀ (96 hr) for bluegill sunfish is 125.4 mg/L and EC₅₀ (48hr) is 225 mg/L. Birds: slightly toxic to birds on an acute basis LD₅₀ is 1465 mg/kg, but practically non-toxic on a dietary basis LC₅₀ > 5000 mg/kg. Bees: Not toxic to bees LD₅₀ >100 µg/bee. Toxic to aquatic organisms - algae LC₅₀ 6.9 mg/L.

Environmental Fate: Half life in soil is typically 8 - 66 days. Rapid degradation in soil prevents significant downward movement under normal conditions. Based completely on information for clopyralid acid, Clopyralid is weakly sorbed (Mean K_{oc} ~5 mL/g) indicating potential for mobility. Degradation is retarded under cold conditions or very dry soils. Clopyralid degrades slowly in water/sediment systems (t_{1/2} = 143-182 days). Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

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.

SECTION 13 DISPOSAL CONSIDERATIONS (Continued)

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 not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Marine and Air Transport: Not classified as a Dangerous Good.

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. 67462.

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

This product is not classified as a Dangerous Good according to the ADG Code (7th 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: 14 June 2016. Valid for 5 years till 14 June 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.

SECTION 16 OTHER INFORMATION (Continued)

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