



SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Apparent Idol 250 WG Herbicide

Other Names: Butroxydim. Group 1 Herbicide,
Use: A liquid agricultural grass herbicide.
Company: AIRR Apparent Pty Ltd
Address: 15/16 Princes Street, Newport NSW 2106.
Phone Number: 03 5820 8400
Email: enquiries@apparentag.com.au
Emergency Contact: 0437 303 689

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.
Combustible Liquid (C1).**

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

Reproductive toxicity – Hazard Category 2.
Skin irritation – Hazard Category 2.
Acute toxicity – Hazard Category 4.
Hazardous to the aquatic environment (Chronic) – Hazard Category 1.

Signal Word: DANGER.

Hazard statements:

H302 Harmful if swallowed.
H315 Causes skin irritation.
H361 Suspected of damaging fertility. Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long-lasting effects.

Precautionary Statements:

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
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:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P321 Specific treatment (see Safety Directions on this label).
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Storage:

P405 Store locked up.

Disposal:

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

SECTION 2 HAZARDS IDENTIFICATION (Continued)

Pictograms:

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

CHEMICAL	CAS NUMBER	PROPORTION
Butoxydim	138164-12-2	250 g/kg
Talc (Mg ₃ H ₂ (SiO ₃) ⁴)	14807-96-6	> 60%
Other ingredients determined not to be hazardous		Balance

SECTION 4 FIRST AID MEASURES**FIRST AID**

- Ingestion:** If swallowed do NOT induce vomiting. Give water to drink. Seek immediate medical attention.
- Eye contact:** Hold eyes open and flood with clean water until chemical is removed. 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:** Remove contaminated clothing. Wash skin with soap and water. If skin is irritated, seek medical advice. Contaminated clothing should be laundered before reuse.
- Inhalation:** Remove to fresh air and observe until recovered. If effects persist, seek medical advice.
- Advice to Doctor:** Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: This product is not combustible.

Extinguishing media: Not combustible. Use extinguishing media suited to burning materials, preferably use carbon dioxide, dry chemical or foam. If no alternative use water fog and contain all runoff. If containers are ruptured contain all runoff.

Hazards from combustion products: Product will decompose when burnt and will emit toxic and noxious fumes (eg. oxides of carbon and/or nitrogen and occasionally hydrogen cyanide gas can also be produced). Fire-fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke. There is a risk of explosion if large quantities are involved in a fire.

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 (or equivalent clothing), a washable hat, elbow-length PVC gloves and face shield or goggles. If there is a significant chance that dust is likely to build up in the cleanup area, the use of a respirator is recommended.

In the case of spillage, stop leak if safe to do so, and contain spill. Prevent spillage entering drains or watercourses. Contain 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. Launder protective clothing before storage or re-use.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

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. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.

SECTION 7**HANDLING AND STORAGE**

Precautions for Safe Handling: No smoking, eating or drinking should be allowed where material is used or stored. Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling dust. When preparing product for use wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. 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. Do not store for prolonged periods in direct sunlight. This product is a Schedule 5 Poison (S5) and must be stored, transported and sold in accordance with the relevant Health Department regulations.

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

Exposure guidelines have not been established for this product by Safe Work Australia. However, the following standard applies for one of the ingredients of this product:

Atmospheric Contaminant	Exposure Standard (TWA)	STEL (mg/m ³)
Talc, (containing no asbestos fibres)	2.5 mg/kg	-

TWA = Time-weight Average. STEL = Short Term Exposure Limit.

Biological Limit Values:

No biological limit allocated.

Engineering controls:

Keep containers closed when not in use. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Personal Protective Equipment (PPE):

General: When preparing product for use wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

Personal Hygiene: Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling dust. 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 granules.
Odour:	Unpleasant.
Boiling point:	No data available.
Freezing point:	No data available.
Bulk density:	No data available.
Solubility in Water:	Emulsifies in water.
pH:	No data available.
Flammability:	Not combustible.
Flashpoint (°C):	Not applicable.
Poisons Schedule:	This product is a Schedule 5 (S5) 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: Avoid storage in direct sunlight.

Incompatible materials: Avoid strong oxidizing agent such as chlorates, nitrates, peroxides etc.

Hazardous decomposition products: This product will decompose when burnt. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke and possibly sulfur can be emitted.

Hazardous reactions: Hazardous polymerisation will not occur.

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: Moderate acute oral toxicity. The Acute Oral LD₅₀ (rat) 1635 mg/kg (Butroxydim). Possible symptoms of exposure to the concentrate include nausea, vomiting and abdominal pains.

Eye: This product is a severe irritant to the eyes.

Skin: This product will irritate the skin. Low acute dermal toxicity. The estimated LD₅₀ = 2000 mg/kg (Butroxydim). Not a sensitiser.

Inhaled: Inhalation of dust may produce respiratory irritation. The estimated LC₅₀ is > 2.99 mg/L/4 hours.

Long Term Exposure:

The weight of the evidence is that butroxydim is not carcinogenic.

At doses toxic to maternal animals, butroxydim has been shown to produce developmental toxicity in a number of species.

Chronic exposure can cause damage to the liver.

The weight of evidence indicates that butroxydim is not mutagenic.

SECTION 12**ECOLOGICAL INFORMATION**

Environmental Toxicology: No information is available for the product. The following information refers to the active ingredients. Butroxydim has low toxicity to birds with LD₅₀ > 2000 mg/kg for Mallard Duck and LD₅₀ = 1221 mg/kg for bobwhite quail. Moderate toxicity for fish with LC₅₀ (96 hr) > 6.9 mg/L for Rainbow Trout and LC₅₀ (96 hr) = 809 mg/L for Bluegill sunfish. LC₅₀ (48 hr) > 3.7 for *Daphnia magna*. Not toxic to bees with LC₅₀ > 200 µg/bee. Toxic to algae with EC₅₀ = 0.71 mg/L for *Selenastrum capricornutum*

Environmental Fate: Average half-life of Butroxydim in the field is 9 days. Butroxydim is stable to aqueous hydrolysis at pH 7 to 9 (DT₅₀ = 240 days), but the DT₅₀ = 10.5 days at pH 5. Butroxydim is considered to be a low risk for bio-concentration and has a low potential for leaching.

SECTION 13**DISPOSAL CONSIDERATIONS**

Spills and Disposal: Keep material out of streams and sewers. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities. In rural areas contact ChemClear <http://www.chemclear.com.au> for help with collection of unwanted rural chemicals.

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

SECTION 13 DISPOSAL CONSIDERATIONS (Continued)

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 and Rail Transport: Apparent Idol 250 WG Herbicide 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. (See special provision AU01). For bulk shipments this product is a class 9, UN 3077.

Marine and Air Transport: Apparent Idol 250 WG Herbicide is 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 25% Butoxydim). 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 a Schedule 5 poison.

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 88786.

This product is 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 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. 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: 11 November 2021. Valid for 5 years till 11 November 2026 (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: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

SECTION 16 OTHER INFORMATION (Continued)

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.