SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Beaut 200 EC Herbicide**

Other Names:	Butafenacil, Group 14 herbicide.
Use:	An agricultural herbicide.
Use:	A liquid herbicide for the control of marshmallow in fallow.
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.

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 Dangerous (Class 9 Environmentally Hazardous) by IATA and IMDG respectively. See Section 14 of this SDS for details.

Globally Harmonised System (GHS) classification of the substance/mixture:
Eye damage/irritation – Hazard category 2B.
Specific Target Organ Toxicity (Repeated exposure) – Hazard category 2.
Hazardous to the aquatic environment – Long term (chronic) hazard – Hazard category 1.

Signal Word: DANGER.

Hazard Statements:
H320 Causes eye irritation.
H373 May cause damage to organs through prolonged or repeated use.
H411 Toxic to aquatic life with long-lasting effects.

Precautionary Statements:
Prevention:
P260 Do not breathe mist, vapour or spray.
P264 Wash hands, arms and face thoroughly after handling.
P273 Avoid release to the environment.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice if you feel unwell.
P337 + P313 If eye irritation persists: Get medical advice.
P391 Collect spillage.

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

Pictograms:

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL	*CAS NUMBER*	*PROPORTION*
Butafenacil	134605-64-4	200 g/L
Polyethanoxy (15) tallow amine	61791-26-2	100 g/L
Other ingredients determined not to be hazardous		Balance

SECTION 4 FIRST AID MEASURES

FIRST AID

Ingestion: If swallowed, DO NOT induce vomiting. Seek medical advice and show the product label or container.

Eye contact: Immediately hold eyes open and wash with copious quantities of clean water until chemical is removed. Eyelids to be held open. Remove contact lenses after the initial flushing and continue flushing to ensure chemical is removed. If effects occur and persist, consult a physician, preferably an ophthalmologist.

Skin contact: Remove contaminated clothing, including footwear. Wash skin with soap and water. Contaminated clothing should be laundered before reuse.

Inhalation: Remove from exposure and observe until recovered. If effects persist, seek medical advice.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: Product is a combustible liquid. Flash point > 80°C.

Extinguishing media: Foam, CO_2 or dry chemical. Soft stream water fog if no alternatives. Contain all runoff.

Hazards from combustion products: Product will decompose when burnt and will emit toxic fumes. Eruption of containers is likely if confined at high temperatures. Intact containers exposed to excessive heat should be cooled with water to reduce drum pressure.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated. Hazchem code •3Z.

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), elbow length chemical resistant gloves and face shield or goggles.

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

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 7 HANDLING AND STORAGE

Precautions for Safe Handling: Will irritate the eyes. May irritate the skin. Avoid contact with eyes and skin. When using together with other products, consult their label safety directions. When opening the container and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

Conditions for Safe Storage: Store in tightly closed original container in a cool, dry well-ventilated area out of direct sunlight when not in use. 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 for transport within Australia by road and rail. 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:
Exposure guidelines have not been established for this product,

Biological Limit Values:
No biological limit allocated.

Engineering controls:
Use in ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment (PPE):
When opening the container and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use.

Personal Hygiene: Will irritate the eyes. May irritate the skin. Avoid contact with eyes and skin. Clean water should be available for washing in case of eye or skin contamination. After each day's use, wash gloves, face shield or goggles and contaminated clothing. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light, yellowish to light brown coloured liquid.
Odour:	Characteristic.
Boiling point:	No data available.
Freezing point:	No data available.
Specific Gravity:	Approximately 1.05 g/L.
Solubility in Water:	Emulsifies in water.
pH:	8 – 10 (1% solution).
Vapour pressure:	No data available.
Flammability:	Combustible liquid.
Flashpoint (°C):	> 80°C.
Poisons Schedule:	Product is a Schedule 5 (S5) poison.
Formulation type:	Emulsifiable Concentrate.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Product is considered stable in ambient conditions for a period of at least 2 years after manufacture. This product is unlikely to spontaneously decompose.

Conditions to avoid: Do not store for prolonged periods in direct sunlight. Avoid strong oxidising agents. Avoid excessive sources of heat and naked flames.

Incompatible materials: Keep away from strong oxidizing agents, strong acids or strong bases.

SECTION 10 STABILITY AND REACTIVITY

Hazardous decomposition products: When the product is heated to high temperatures, thermal decomposition may generate toxic and noxious fumes, including carbon monoxide, carbon dioxide, nitrogen oxides,other nitrogen compounds and hydrogen cyanide gas.

Hazardous reactions: Not known to polymerise.

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: The LD_{50} (rat) > 2000 mg/kg (similar product). May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Eye: May cause severe eye irritation. May cause redness and lachrymation.

Skin: This product has a low dermal toxicity. The dermal LD_{50} in the rabbit is > 2000 mg/kg.

Inhaled: No adverse effects are anticipated from single exposure to vapour. Mist may cause irritation of upper respiratory tract (nose and throat).

Long Term Exposure:

In studies with laboratory animals, butafenacil did not cause reproductive toxicity, teratogenicity or carcinogenicity. Butafenacil may cause damage to organs through prolonged or repeated exposure if swallowed. The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2. – Liver.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology: Butafenacil is highly toxic to algae EC_{50} = 0.0025 mg/L (72 hour), moderately toxic to fish LC_{50} 5 mg/L (*Oncorhynchus mykiss* – Rainbow trout) and moderately toxic to *Daphnia magna* – Water flea (LC_{50} = > 8.3 mg/L 48 hour). Low toxicity to birds LD_{50} > 2250 mg/kg (*Colinus virginianus* – Northern Bobwhite) Do not contaminate sewers, drains, dams, creeks or any other waterways with product or the used container. Moderate toxicity to bees. Low toxicity to earthworms LC50 1250 mg/kg

Environmental Properties: Butafenacil is not persistent in soils (half-life = < 7 days) and has low to moderate mobility. Butafenacil is not persistent in water (half-life = 3 – 6 days). Butafenacil is not readily biodegradable. Butafenacil does not bioaccumulate.

SECTION 13 DISPOSAL CONSIDERATIONS

Spills and Disposal: Persons involved in cleanup require complete skin protection - see Section 8. 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 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 (refer to SP AU01). For bulk shipments this product is a class 9, UN 3082.

Marine and Air Transport: Apparent Beaut 200 EC 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 3082, Class 9 (Miscellaneous Dangerous Goods), Packing Group III, Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Butafenacil). Hazchem code ●3Z. Hazard Identification Number (HIN) 90. Australian Standards Emergency Guide 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 90357.
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 for packs less than 500 kg (L), or in IBC's, (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: 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.
LD_{50}:	Median Lethal Dose A statistically derived single dose of a substance that can be expected to cause death in 50% of dosed animals.
Mutagenic:	Capable of inducing a genetic mutation in an organism.
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. "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.