SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Popstar Plant Growth Regulator**

Other Names:	Gibberellic Acid, G.A. Plant Growth Regulator. PGR.
Use:	Plant growth regulator to promote desirable harvest effects.
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.

Globally Harmonised System (GHS) classification of the substance/mixture:
Under the Globally Harmonised System (GHS) this product is not classified a hazardous substance

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL	*CAS NUMBER*	*PROPORTION*
Gibberellic Acid	77-06-5	200 g/kg
Other ingredients determined not to be hazardous		Balance

SECTION 4 FIRST AID MEASURES

FIRST AID

Ingestion: If swallowed do NOT induce vomiting. Wash mouth with water and give plenty of water to drink. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126.

Eye contact: If in eyes, hold eyelids open and wash with water until the chemical is removed. No expected to cause effects, however if irritation occurs and persists seek medical attention.

Skin contact: Wash affected areas with soap and water. Remove contaminated clothing and launder before re-use. If skin irritation occurs and persists, re-wash area and seek medical advice.

Inhalation: No effects are expected. Remove to fresh air and observe until recovered.

Advice to Doctor: Treat symptomatically. Product has low toxicity.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: Generally considered a low risk.

Extinguishing media: Choose extinguishing media to suit the burning material.

Hazards from combustion products: There is no risk of an explosion from this product under normal circumstances if involved in a fire. Product will decompose when burnt and will emit toxic fumes.

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 ACCIDENTAL RELEASE MEASURES

Emergency procedures / Material and methods for containment and cleanup procedures:
Accidental release: In the case of spillage, stop leak if safe to do so, and contain spill. As a minimum, wear overalls and gloves. 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.

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: Avoid contact with eyes and skin. Wash hands after use.

Conditions for Safe Storage: Not classified as a Dangerous Good. Store in a cool, dry place away from strong oxidants. Keep containers dry and away from water. Protect this product from light.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:
Exposure guidelines have not been established for this product by Safe Work Australia.

Biological Limit Values:
No biological limit allocated.

Engineering controls:
Keep containers closed when not in use.

Personal Protective Equipment (PPE):
No specific personal protective equipment is required when handling this product. As with all pesticides good industrial hygiene should be practised and exposure minimised. Avoid contact with eyes and skin. Wash hands after use.

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:	White or pale granules.
Odour:	No data.
Boiling point:	No data available.
Freezing point:	No data available.
Specific Gravity:	No data available.
Solubility in Water:	Soluble.
pH:	No data available.
Flammability:	Not flammable.
Flashpoint (°C):	Not applicable.
Poisons Schedule:	Not a Scheduled poison.
Formulation type:	Water Soluble 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: Avoid contact with strong oxidants and reducing agents.

Hazardous decomposition products: Thermal decomposition will produce toxic and noxious fumes.

Hazardous reactions: 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: Low acute oral toxicity. Acute Oral LD_{50} (rat) > 15,000 mg/kg.

Eye: This product may cause slight irritation to the eyes. Corneal injury is unlikely.

Skin: Brief contact is essentially non-irritating to skin. Did not cause allergic skin reactions when tested in guinea pigs. Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Inhaled: Based on the available data, respiratory irritation was not observed. LC_{50} > 2.89 mg/L.

Long Term Exposure:
Chronic Toxicity and Carcinogenicity: Not carcinogenic or mutagenic.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology: As gibberellic acid is naturally produced by plants, there is a high probability that the product is not acutely harmful to aquatic organisms. Gibberellic Acid is practically non-toxic to cold water fish. Fish - Rainbow Trout (*Oncorhynchus mykiss*) LC_{50} > 150 ppm. Gibberellic Acid is practically non-toxic to aquatic invertebrates. Aquatic Invertebrates – (*Daphnia magna*) LC_{50} > 143 ppm. Birds – Bobwhite quail LD_{50} > 2250 mg/kg. Gibberellic Acid is classified as relatively non-toxic to honey bees.

Environmental Fate: No data available for environmental fate as gibberellic acid is naturally produced by plants.

SECTION 13 DISPOSAL CONSIDERATIONS

Spills and Disposal: Persons involved in cleanup require adequate skin and eye protection - see Section 8. 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. Keep material out of streams and sewers.

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: This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail. Product is a not classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

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 not classified as a Hazardous Substance under the criteria of Safe Work Australia.
This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 81255.
This product is not classified as a Dangerous Good according to the ADG Code (7th Ed).
This product is not 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: 22 November 2021. Valid for 5 years till 22 November 2026.

(First issue). Key to abbreviations and acronyms used in this MSDS:

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. (2017).
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.