

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Festival 100
Plant Growth Regulator**

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

Under the Globally Harmonised System (GHS) this product is not classified as a hazardous substance.

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL	CAS NUMBER	PROPORTION
Gibberellic Acid	77-06-5	100 g/L
Other ingredients determined not to be hazardous		Balance

SECTION 4

FIRST AID MEASURES

FIRST AID

Ingestion: 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. Not expected to cause effects, however if irritation occurs and persists seek medical attention.

Skin contact: Remove contaminated clothing and launder before re-use. Wash affected areas with soap and water. 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: Water, water spray, foam, carbon dioxide (CO₂), dry powder.

SECTION 5 FIRE FIGHTING MEASURES (Continued)

Hazards from combustion products: Product is likely to decompose after heating to dryness and continued strong heating and will emit toxic fumes. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke. Spilled product will render surfaces extremely slippery.

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 case of spillage, stop leak if safe to do so, and contain spill. As a minimum, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC 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: Will irritate the eyes and skin. Avoid contact with the eyes and skin. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves. Wash hands after use. After each day's use wash gloves and contaminated clothing.

Conditions for Safe Storage: Not classified as a Dangerous Good. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

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):

When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves. Wash hands after use. After each day's use wash gloves and contaminated clothing.

Personal Hygiene: Will irritate the eyes and 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

Appearance:	Clear to pale straw coloured liquid.
Odour:	Mild odour.
Boiling point:	No data available.
Freezing point:	No data available.
Specific Gravity:	Approximately 1.

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

Solubility in Water:	Soluble.
pH:	No data available.
Flammability:	Not flammable.
Flashpoint (°C):	Not applicable.

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 LD₅₀ (rat) > 6300 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 on guinea pigs. Prolonged skin contact is unlikely to result in absorption of harmful amounts. Acute Oral LD₅₀ (rabbit) > 2000 mg/kg.

Inhaled: Based on the available data, respiratory irritation was not observed. LC₅₀ > 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*) LC₅₀ > 150 ppm. Gibberellic Acid is practically non-toxic to aquatic invertebrates. Aquatic Invertebrates – (*Daphnia magna*) LC₅₀ > 143 ppm. Birds – Bobwhite quail LD₅₀ > 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.

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

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 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 under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 83226.

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: 6 December 2016. Valid for 5 years till 6 December 2021. (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. (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.