



VICTORIAN CHEMICAL CO. PTY. LTD.

ABN 36 004 188 863

83 Maffra Street, Coolaroo, Victoria, 3048, Australia

Tel: +61-(0) 3-9301 7000 Fax: +61-(0) 3-9309 7966

Website: www.vicchem.com E-mail: products@vicchem.com

SAFETY DATA SHEET

SECTION 1 : Identification of the material and supplier

Product Name : GALA[†] Growth Regulator

Description: GA₃, Gibberellic Acid

Recommended Use: Plant Growth Regulator

Product Code: 19300

Supplier Name: Victorian Chemical Co. Pty. Ltd.

Address: 83 Maffra Street
Coolaroo, Victoria 3048
Australia

Telephone: +61-(0) 3-9301 7000

Fax: +61-(0) 3-9309 7966

Australian Emergency contact number: +61-(0) 3-9301 7000 (office hours)

SECTION 2 : Hazards Identification

GHS Classification: Classified as **Hazardous** according to the criteria of NOHSC.
Classified as **Dangerous Goods Class 9** according to Australian Dangerous Goods Code (Exemption AU01 applies for packaged product by road and rail —see Section 14)

Acute Toxicity : Category 4

Eye Irritation : Category 2A

Acute / Chronic Aquatic Toxicity : Category 2

Signal Word: Warning

Hazard Statements: H302 Harmful if swallowed
H319 Causes serious eye irritation
H401/411 Toxic to aquatic life with long lasting effects

Precautionary Statements: P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear eye protection/face protection
P301 / P312 / P330 IF SWALLOWED: rinse mouth. Call a POISON CENTER/doctor if you feel unwell
P305 / P351 / P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 / P313 If eye irritation persists: Get medical advice.
P273 /P391 Avoid release to the environment. Collect spillage
P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 : Ingredients Composition/Information

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Proportion</u>
Gibberellic Acid	77-06-5	10%
Alkylamines	n/a	<10%
2-(2-Butoxyethoxy)ethanol	112-34-5	11%
Other non hazardous ingredients	n/a	To 100%



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SECTION 4 : First Aid Measures

- Swallowed:** Rinse mouth with water. Give water to drink. Do not induce vomiting. Seek medical advice if nausea or vomiting occurs.
- Eye:** Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
- Skin:** Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice.
- Inhaled:** Move to fresh air. Seek medical advice if nausea or vomiting occurs.
- First Aid Facilities:** Ensure eye bath and safety shower are available and ready for use.
- Advice to Doctor:** Treat symptomatically.

SECTION 5 : Fire Fighting Measures

Suitable extinguishing media: Foam, Carbon Dioxide, Dry Chemical, Water Spray

Hazards from combustion products: In the event of fire the following can be released. Carbon monoxide, carbon dioxide.

Precautions for fire fighters and special protective equipment: Fire fighters should wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Hazchem Code: None Allocated

SECTION 6 : Accidental Release Measures

Emergency procedures: Slippery when spilt, clean up immediately. Wear protective equipment to prevent skin and eye damage.

Methods and materials for containment and clean up: Prevent run off into drains and waterways. Contain spills with absorbent material such as sand or soil. Collect and seal in properly labelled containers for disposal. Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal site. For small spills, wash with plenty of water.

SECTION 7 : Handling and Storage

Precautions for safe handling: Avoid skin and eye contact. Wash hands after using product.

Conditions for safe storage: Store in the closed original container in a cool, well-ventilated area.

Bulk Storage: C1 Combustible liquid

SECTION 8 : Exposure / Personal Protection

National exposure standards: None Allocated.

Biological limit values: None Allocated.

Engineering controls: Ensure adequate ventilation to keep exposure levels to a minimum.

Personal protective equipment: Wear safety glasses or goggles, impermeable gloves (PVC or neoprene) and overalls.

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SECTION 9 : Physical and Chemical Properties

Appearance:	Clear light yellow liquid	Solubility in Water:	Milky Emulsion
Boiling Point:	> 150°C	Flashpoint:	> 80°C
Melting Point:	< 0°C	Flammability Limits:	Not Available
Viscosity @ 40°C:	Not available	Vapour Pressure:	<1 mmHg@20°C
Specific Gravity:	0.94 @ 20°C		

SECTION 10 : Stability and Reactivity

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Excessive heat, Fire.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: None with proper storage and handling.

Hazardous reactions: No hazardous reactions with proper storage and handling.

SECTION 11 : Toxicological Information

Acute effects:

Swallowed:	Ingestion of large quantities may cause irritation to the digestive tract, nausea, vomiting or diarrhoea. Symptoms similar to alcohol intoxication may result.
Eye Contact:	Severely irritating to the eye, can cause tearing, stinging, blurred vision and redness.
Skin:	Repeated exposure may cause drying, redness, itching and irritation.
Inhaled:	Inhalation of vapour or mist may cause irritation of the nose, throat and respiratory system.

Chronic effects:

Repeated or prolonged skin contact may result in skin irritation.

SECTION 12 : Ecological Information

Ecotoxicity: Toxic to aquatic organisms. LC₅₀ 1 - 10mg/l (guppy fish)

Persistence and degradability: This product is vegetable oil based and will eventually degrade.

Mobility: Product is emulsifiable and disperses in water.

SECTION 13 : Disposal Considerations

Disposal Methods: In accordance with local authority regulations, take to special waste incineration plant. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

Special precautions for landfill or incineration: Avoid contaminating waterways



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SECTION 14 : Transport Information

UN Number: 3082

UN Proper Shipping Name: Environmentally hazardous substance n.o.s.

Class: None allocated

Packing Group: III

Hazchem Code: 3Z

Road and Rail Transport: Classified as Dangerous Goods when transported in bulk. Environmentally Hazardous Substances meeting the descriptions of UN 3082 are not subject to the Australian Dangerous Goods Code (See 3.3.3 SP No. AU01) when transported by road or rail in IBCs (1000L) or packages less than 500L

Marine Transport: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport: Classified as Dangerous Goods by the criteria of the international Air Transport (IATA) Dangerous Goods Regulations for transport by air

SECTION 15 : Regulatory Information

Classification: None Allocated

Poisons Schedule: None allocated

This material is listed on the Australian Inventory of Chemical Substances (AICS)

SECTION 16 : Other Information

None Available

CONTACT POINT

This MSDS summarises at date of issue 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. Since Victorian Chemical Co. Pty. Ltd. cannot anticipate or control the conditions under which the product may be used, prior to usage each user must review this MSDS in the context of how the product will be handled and used in the workplace.

Victorian Chemical Co. Pty. Ltd. will not be responsible for any damage caused by the use of the product otherwise than in accordance with the directions and information contained in this document.

If clarification or further information is required to ensure that an appropriate risk assessment can be made, the user should contact Victorian Chemical Co. Pty. Ltd. (03) 9301 7000. Ask for Technical Manager.

Safety Data Sheets are updated regularly. Please ensure that you have a current copy.

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