

1. Identification of the Substance/Preparation:

Use; Solution for hydrating stem cuttings prior to planting:

Product name: TwinTech Starter

Company: Floragarden Wholesale

Address: PO Box 173, Applecross, WA 6953, AUSTRALIA.

Telephone Number: (+61) 0411-297-030

Emergency Telephone Numbers: (+61) 0411-297-030

2. Hazards identification

Non Dangerous Good

Hazard Classification;

Classified as hazardous according to criteria of NHOSC

Risk phrases:

R36/38 Irritating to eyes and skin.

Safety phrases:

S2 - Keep out of reach of children.

S3/7: Keep container tightly closed in a cool place.

S24, 25, 26, 28,37, 39. Avoid contact with skin and eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46: If swallowed, seek medical advice immediately and show this MSDS..

S29/35: Do not empty into drains; dispose of this material and its container in a safe way.

3. Composition/information on ingredients

Solution for hydrating stem cuttings prior to planting:

Chemical Name	CAS	Conc(% W/V)
Indole butyric acid	133-32-4	0.0015
Water and inert ingredients		to 100%

4. First-aid measures

Swallowed: If conscious, drink large quantities of water, after which vomiting should be induced by a properly qualified person. Seek immediate medical assistance. Never give anything by mouth to an unconscious person.

Eye: If this product comes in contact with eyes, hold open and wash with running water for a few minutes & continue if irritation persists. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical attention.

Skin: If this product comes in contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again.

Inhaled: Not applicable with normal use..

Advice to doctor: Treat symptomatically.

5. Fire fighting measure

Fire / Explosion: This product is not flammable.

Flammability: Not flammable.

Extinguishing Media: Use fire retardant suited to surrounding materials.

6. Accidental release measures

Spills: Prevent from entering rivers, canals and other waterways. Stop leak if safe to do so and contain spill. Product is slippery. Absorb into vermiculite or other absorbent material. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area, prevent runoff from entering drains. If material enters drains, dilute with excess water. Dispose only in compliance with local regulations. Launder all contaminated clothing before reuse.

Disposal (After treatment above)

Refer to waste management authority.

7. Handling and storage

Always store in original container. To preserve integrity of product containers should be kept closed and stored in a cool, dark place.

8. Exposure controls/personal protection

Generally not a hazard when handled properly and as instructed. However, as a precaution, especially if splashing of liquid is possible, suitable personal protective equipment appropriate to the task should be worn.

Respiratory protection: No special precautions required.

Hand: Rubber PVC or other protective gloves should be used by persons prone to skin irritation.

Eyes: Protective glasses should be used when using this product.

Clothing: All skin areas should be covered.

Remove contaminated clothing promptly. Discard or launder before rewearing. Wash hands thoroughly after handling this material.

9. Physical and chemical properties

Appearance: Clear, red, sweet smelling liquid.

Melting Point: 0 °C

Boiling Point: Not available

Vapour Pressure: 17 mm of Hg @ 20°C

Specific Gravity: 1.0

Flashpoint: Not flammable

Flammability Limits: Not flammable

Solubility in Water: Soluble in all proportions

pH: 6.5 to 7.0.

Corrosiveness: Non corrosive.

10. Stability and reactivity

Stable under normal conditions.

11. Toxicological information

Toxicity data: Toxicological properties of the pure active ingredient have not been fully investigated. Chronic effects on humans: Mutagenic effect. May affect genetic material. Acute oral toxicity of concentrated active ingredient (LD50) 100mg/kg (mouse). Lethal Dose/Conc : LD (Rat) – Route: Oral: Dose > 500 mg/kg. Toxicity of this product much less than described by above data because active ingredient is highly diluted.

Swallowed: Maybe harmful if this dilute solution of the active substance is swallowed. May cause gastrointestinal tract irritation with nausea, vomiting and diarrhea and vomiting

Eye: May causes eye irritation. May cause conjunctivitis

Skin: Causes skin irritation

Inhaled: Not applicable with normal use.

12. Ecological information

Ecotoxicity data: Not available

Prevent from entering rivers, canals and other waterways.

13. Disposal considerations

Observe local legislation.

14. Transport information

Classified as Non Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code 7.3) for Transport by Road and Rail.

Not subject to ADR/IATA/IMDG codes.

15. Regulatory information

Poisons schedule: No Poisons Schedule number allocated

Labelling: USE ONLY AS DIRECTED. KEEP OUT OF REACH OF CHILDREN.

Packaging: No special packaging requirements.

16. Other information

Contact Points

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DISCLAIMER

This MSDS 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 of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. All information is as accurate and up to date as possible.