

HYDROPONIC GENERATIONS

A.B.N. 22 081 728 065

Safety data sheet for HY-GEN HYDRO GROW A & B

1. Identification

Product Name: HY-GEN HYDRO GROW A & B
Company: HY-GEN Holdings Pty Ltd T/AS Hydroponic Generations
Address: PO BOX 1159, East Victoria Park, Western Australia, 6981
Telephone Number: (+61) 8 9356 8866
Fax Number: (+61) 8 9356 5511
Emergency Telephone Numbers: (+61) 8 9356 8866; +61 419 241 075 (Mobile)
Email address: enquiries@hygen.com.au
Use: General Agricultural fertiliser

2. Hazard(s) Identification

After eye contact: May cause irritation.
After skin contact: May cause irritation.
After ingestion: Discomfort from swallowing large amounts.
Inhaled: Not Applicable

3. Composition and Information on Ingredients

Two Part Liquid Plant Fertiliser:

Chemical Name	CAS	HY-GEN HYDRO GROW A & B Concentration (%W/W)
Calcium nitrate	13477-34-4	10-30%
Potassium nitrate	7757-79-1	10-30%
Magnesium sulphate	10034-99-8	10-30%
Potassium Phosphate	7778-777-0	<10%
Ammonium Phosphate	6484-52-2	<10%
Iron (as EDTA)	N/A	<1%
Manganese (as EDTA)	N/A	<1%
Copper (as EDTA)	N/A	<1%
Zinc (as EDTA)	N/A	<1%
Boron	N/A	<1%
Molybdenum	N/A	<1%
Water		To 100%

All constituents are listed in the Australian Inventory of Chemical Substances (AICS).

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4. First Aid Measures

- Swallowed:** Wash out mouth thoroughly with water. In severe cases obtain medical attention.
- Eye:** If this product comes in contact with eyes, hold open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical attention.
- Skin contact:** Wash off thoroughly with soap and water. Remove clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again.
- Inhalation:** Not applicable.
- Advice to doctors:** Treat symptomatically.
- First aid facilities:** No information.
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5. Fire Fighting Measures

- Fire / Explosion:** This product is not flammable. Use fire-fighting agent appropriate for materials burning in the area.
- Flammability:** Not flammable.
- Fire / Explosion:** This product is not flammable. Use fire-fighting agent appropriate for materials burning in the area.
- Hazchem Code:** Not applicable.
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6. Accidental Release Measures

- Spills:** *Will promote algae growth and therefore should be prevented from entering rivers, canals and other waterways.* Stop leak if safe to do so and contain spill. 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 spill 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:** Refer to local waste management authority.
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7. Handling and Storage

Always store in original container. Containers should be kept closed to minimize contamination. To preserve integrity of product, store in a cool, dark place.

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8. Exposure controls/personal protection

Not a hazard in normal use. No personal protective equipment required.

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

9. Physical and Chemical Properties

Appearance: Clear yellow/green liquid

Boiling Point: > 100°C (Water only)

Vapour Pressure: 17mm of Hg @ 20°C

Flash point: Not flammable

Flammability Limits: Not flammable

Solubility in Water: Soluble in all proportions.

pH: 3.9 – 4.3

Corrosiveness: Non corrosive.

10. Stability and Reactivity

Stable under normal conditions.

11. Toxicology Information

Swallowed: Discomfort from swallowing large amounts.

Eye: May cause irritation.

Skin: May cause irritation.

Inhaled: Not applicable

12. Ecological Information

Will promote algae growth therefore prevent from entering rivers, canals and other waterways.

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13. Disposal Considerations

Observe local legislation.

14. Transport Information

Not subject to ADR/IATA/IMDG codes

15. Regulatory Information

Safety phrases: Nil.

Risk Phrases: Nil.

16. Other Information

No further information

Manufacture's Advice and Disclaimer

This Safety Data Sheet (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. All information is as accurate and up to date as possible. This company will not take responsibility for any deliberate miss-use of the product or negligence related to this literature.