

Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Vitaflora
Other name(s): Profert™ Vital
Supplier: Ngtech Pty Ltd
ABN: 37 127 212 408
Street Address: 77 Buckley Grove, Moolap Victoria 3221 Australia
Telephone Number: +61 3 5248 0155
Facsimile: +61 3 5248 0188
Emergency Telephone: +61 3 5248 0155 (business hours)

2. HAZARDS IDENTIFICATION

Acute

Swallowed: May cause diarrhoea, nausea, vomiting, abdominal cramps, weakness, convulsions
Eye: May cause irritation. Avoid contact
Skin: Mildly irritant to skin. Frequent and prolonged contact can cause dermatitis
Inhaled: Inhalation of aerosols may produce respiratory irritation

Chronic

Repeated or prolonged exposure may cause allergic contact dermatitis.

Poisons Schedule: None allocated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: Liquid Fertiliser and Soil Conditioner

Components	CAS Number	Proportion	Risk Phrases
Ammonium Nitrate	6484-52-2	10-30%	-
Calcium Nitrate	10124-37-5	<10%	-
Mono Ammonium Phosphate	7722-76-1	<10%	-
Mono Potassium Phosphate	7778-77-0	<10%	-
Potassium Nitrate	7757-79-1	<10%	-
Potassium Chloride	7447-40-7	<10%	-
Magnesium Sulphate	10034-99-8	<10%	-
Iron Sulphate	7720-78-7	<10%	-
Copper Sulphate	7758-98-7	<10%	-
Manganese Sulphate	7785-87-7	<10%	-
Boric Acid	10043-35-3	<10%	-
Zinc Sulphate	7733-02-0	<10%	-
Sodium Molybdate	15123-80-5	<10%	-
Water		to 100%	-

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4. FIRST AID MEASURES

Inhalation:	Remove victim from area of exposure - avoid becoming a casualty. Seek immediate medical attention.
Skin Contact:	If skin contact occurs, remove contaminated clothing and wash skin with plenty of water. If skin is damaged or abraded, drink large amounts of water or milk. If irritation occurs, seek medical advice.
Eye Contact:	If in eyes, wash out immediately with water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Ingestion:	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give plenty of water or milk to drink. Never give anything by mouth if victim is unconscious. Seek medical advice immediate.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products: Non-combustible material.

Precautions for fire fighters and special protective equipment:

Decomposes on heating, emitting toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up:

Wear protective equipment to prevent skin and eye contact. Work up wind or increase ventilation. Sweep or vacuum up. Collect and seal in properly labelled containers or drums for disposal. Wash area down with detergent and excess water.

7. HANDLING AND STORAGE

Storage and Transport: No specific storage and transport. Keep containers closed when not in use - check regularly for spills.

Spills and Disposal: **Spills** – Dilute with large quantities of water.
Disposal – For disposal, phone the number given in this safety data sheet. Disposal into sewerage system is not recommended.

Fire/Explosion Hazard: Not applicable.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

None allocated.

Engineering controls:

Use in a well ventilated area. Keep containers closed when not in use.

Personal Protective Equipment:

Wear overalls, safety glasses and impervious gloves to avoid contact. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Flammability:

Not flammable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Green
Odour:	Odourless
Solubility:	Soluble in water
Specific Gravity:	No data
Relative Vapour Density (air=1):	No data
Vapour Pressure (20 °C):	No data
Flash Point (°C):	No data
Flammability Limits (%):	No data
Auto ignition Temperature (°C):	No data
Solubility in water (g/L):	No data
Melting Point/Range (°C):	No data
Decomposition Point (°C):	No data
pH:	No data

10. STABILITY AND REACTIVITY

Chemical stability: Stable at ambient temperatures. Reacts with acids evolving carbon dioxide.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	No adverse effects expected, however, large amounts may cause nausea and vomiting.
Eye contact:	May be an eye irritant. May cause physical irritation to the eyes.
Skin contact:	Repeated or prolonged skin contact may lead to irritation.
Inhalation:	No danger.
Long Term Effects:	No information available for the product.
Toxicological Data:	No LD50 data available for the product.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways in high concentration.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. For disposal, phone the number given in this safety data sheet. Disposal into sewerage system is not recommended.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Classification: Based on available information, not classified as hazardous according to criteria of ASCC; NONHAZARDOUS SUBSTANCE.

Poisons Schedule: None allocated.

16. OTHER INFORMATION

This material safety data sheet has been prepared by Ngtech Pty Ltd.

Reason(s) for Issue:

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ngtech Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Ngtech according to the contact details on page 1.

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