

SAFETY DATA SHEET

Version No.: 0826
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Issued By: AgBiTech Pty Ltd

1. IDENTIFICATION

Product Name: *ViVUS Ultra® Helicoverpa Biocontrol*

Other Names: ViVUS Ultra®
APVMA Approval No.: 70336/154322

Recommended Use: Agricultural biological insecticide

COMPANY DETAILS:

Company Name: AgBiTech Pty Ltd
Address: 8 Rocla Court, Glenvale, QLD, Australia 4350
Telephone: (07) 4633 0439
Email Address: accounts@agbitech.com

2. HAZARD(S) IDENTIFICATION

Based on available information, this material is not classified as hazardous in according to criteria of Safe Work Australia.

This material is NOT considered DANGEROUS in accordance with the United Nations Recommendations on the Transport of Dangerous Goods, which sets out the globally harmonised system for the classification and labelling requirements for dangerous goods.

Classification: Nil

Hazard Statement: Nil

Precautionary Statements:

- Read label before use.
- Use personal protective equipment as required on the product label.
- Do not allow entry into treated areas until spray has dried.
- Contact with skin may result in irritation. Sensitive workers should use protective clothing. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves.
- May irritate the eyes and skin. Avoid contact with eyes and skin and open wounds.
- Wash hands after use.
- Take off contaminated clothing and wash before reuse
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Follow disposal procedures as per the label.
- Do not contaminate streams, rivers, waterways with this product, including via run-off, spray drift or disposal of used containers.

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

3. COMPOSITION INFORMATION ON INGREDIENTS

Name of Ingredient:	CAS Number:	Proportion:
Occlusion Bodies of the nucleopolyhedrovirus of <i>Helicoverpa armigera</i>	N/A	10% to 40%
Other components	Non-hazardous	60% to 90%

4. FIRST AID MEASURES

General notes: Treat exposure symptomatically. Seek medical attention if symptoms develop or persist.

Following ingestion: Rinse mouth with water, seek medical advice if effected person becomes unwell. Do not induce vomiting.

Following skin contact: Remove contaminated clothing and wash affected areas with plenty of soap and water. Seek medical advice if irritation develops or persists.

Following eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

Inhaled: Remove victim to fresh air. Seek medical advice if effects persist.

5. FIRE FIGHTING MEASURES

This product is non-flammable and non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Contain the spill and prevent runoff into waterways. If contamination of sewers or waterways has occurred advise appropriate local authorities.

Method and materials used for clean up: Use absorbent material to clean up spill, seal in bags and dispose in accordance with local waste requirements.

7. HANDLING AND STORAGE

Care must be taken to avoid exposure of VIVUS Ultra to high temperatures (above 40°C).

Packaged, sealed product can be exposed to direct light for brief periods of time (<2Hours) but should be stored out of direct sunlight.

VIVUS Ultra stored in cool rooms, refrigerators and freezers* (-18 to 15°C) will be viable for at least 30 months.

VIVUS Ultra stored in air-conditioned rooms (<25°C) will be viable for at least 6 months.

*VIVUS Ultra stored in a freezer (-18°C) will remain liquid.

Note: Exposure of VIVUS Ultra to temperatures from 25°C to 40°C for short periods of time (<36 hours) will not affect efficacy. Transport time of 36 hours or less in nonrefrigerated, covered trucks is acceptable as long as temperature does not exceed 40°C.

Conditions for safe storage: Store in a cool, dry place and out of direct sunlight. Check regularly for leaks.

Precautions for safe handling: Avoid prolonged contact with skin and eyes. Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

8. EXPOSURE CONTROLS / PERSONEL PROTECTION

Toxicology Information: This product is not classified as toxic, harmful or irritant in accordance with NOHSC criteria. PPE noted in section 7 of this SDS.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown-grey
Vapor pressure:	Not available
Odour:	Earthy
Specific gravity:	1.18 g/L
pH:	6.0 (± 0.5)
Boiling point:	105 °C
Melting point:	-30 to -25 °C
Flash Point:	Not determined ($>100^{\circ}\text{C}$)
Chemical Stability:	Stable under normal conditions
Solubility in water:	Water miscible
Incompatibilities:	Not available
Flammability:	Not flammable
Upper lower flammability/explosive limits:	Not applicable
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not explosive
Oxidising properties:	Not oxidising

10. STABILITY AND REACTIVITY

Stable under normal storage conditions as specified in the product label.

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.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted product 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 for appropriate disposal 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.

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 NOHSC; NON-HAZARDOUS SUBSTANCE.

Poisons Schedule: None allocated.

16. OTHER INFORMATION

Supplier Safety Data Sheet issued for the first time upon product release.

CONTACT POINT: Anthony Hawes 0417 123 737

This SDS summarises our best knowledge of the product's health and safety hazard information and how best to safely handle the product in the workplace. It should be read by all users of the product and appropriate measures taken to limit personal and environmental exposure. When used in conjunction with other products, additional handling and use precautions for the mixture may be required in accordance with the other product's SDS.

If further information is required to ensure proper and safe handling of the product, the user should contact AgBiTech Pty Ltd. The responsibility for products sold is subject to standard terms and conditions which appear on the product label and are also available on request.

VIVUS Ultra[®] is a Trademark of AgBiTech Pty Ltd.