

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE:

Not Classified as Hazardous according to NOHSC criteria

COMPANY DETAILS:

Company Name: AgBiTech Pty Ltd
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IDENTIFICATION

Product Name: Vivus® Max *Helicoverpa* Biocontrol
Other Name: ViVUS Max
UN Number: None Allocated
Class: Not classified as a dangerous good for transport by road or rail
Packaging Group: None Allocated
Hazchem Code: None Allocated
Poison schedule: Not Scheduled

Use: Agricultural biological insecticide

Physical / Chemical Properties:

Appearance: Brown-grey liquid
Vapour pressure: Not available
Odour: Earthy
Specific gravity: 1.18 g/L
pH: 6.0 (± 0.5)
Boiling point: 150 °C
Melting point: -30 to -25 °C
Flash Point: Not determined (>100°C)
Chemical Stability: Stable under normal conditions
Solubility in water: Water miscible
Incompatibilities: Not available

Ingredients:

Chemical Name:	CAS Number:	Proportion:
Polyhedral occlusion bodies of the nucleopolyhedrovirus of <i>Helicoverpa armigera</i>	N/A	<20%
Other components	Non-hazardous	80% to 100%

HEALTH HAZARD INFORMATION

Toxicology Information: This product is not classified as toxic, harmful or irritant in accordance with NOHSC criteria.

Health Effects

Acute:

Ingestion: Low oral toxicity
Eyes: May irritate the eyes
Dermal: May irritate the skin, may cause skin sensitisation in susceptible individuals
Inhalation: Low inhalation toxicity
Other: No other known health effects

Chronic:

Repeated exposure may cause an allergic response.

Advice to Doctor: Material is classified as non-hazardous. No specific antidote is required. Treat symptomatically.

First Aid:

In case of poisoning contact a doctor or Poison Information Centre Ph. 131126.

Swallowed: Do not induce vomiting. Drink 2 - 3 glasses of water and seek medical advice. Show this MSDS to a medical practitioner.
Skin: Remove contaminated clothing and wash affected areas with plenty of soap and water. Seek medical advice if irritation develops or persists.
Eyes: 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 irritation develops or persists.

PRECAUTIONS FOR USE

Engineering: No specific engineering controls required.
Personal Protection: May irritate the eyes and skin. Avoid contact with the eyes and skin. Repeated exposure may cause allergic disorders. 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. Wash hands after use. Do not enter a treated area until spray has dried. After each day's use, wash gloves and contaminated clothing.
Fire Fighting Measures: This product is non flammable and non combustible.

SAFE HANDLING INFORMATION

Storage and Transport:	Keep out of reach of children. Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Store in the closed, original container in a dry, well-ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight. Avoid contact with the eyes, skin and clothing, or inhaling the product. This product should be stored at temperatures below 20°C. For longer term storage, keep refrigerated at 4°C. Must be stored and transported according to local State or Territory and Federal regulations.
Spillage and Disposal Procedures:	<p>Avoid contact with the eyes, skin and clothing and avoid inhaling the product. Dealing with a spill and disposal may increase the potential for personal exposure. During such operations it is recommended that the following protective clothing is worn:</p> <ul style="list-style-type: none">• Cotton overalls buttoned to the neck and wrist• Elbow-length PVC gloves <p>Contain the spill and soak up with earth, sand, sawdust, clay, sweeping material or absorbent material. Store material in properly labeled, sealed drums for safe disposal in an approved landfill, or bury under at least 500 mm of soil in a non-crop, non-pasture area away from water sources or homes. Do not burn empty containers or product. Deal with all spills immediately. Keep people away and upwind. If contamination of drains, streams, watercourses etc. is unavoidable, notify the local water authority immediately.</p>
Waste Disposal:	Triple, or preferably, pressure rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on-site. Break, crush or puncture empty containers and bury in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Do not burn empty containers or product.
Fire/Explosion Hazard:	Material does not pose a fire or explosion hazard.
Extinguishing Media:	Extinguish fire using water spray, carbon dioxide, polymeric foam or dry chemical agent
Special Fire Fighting Procedures:	Full protective gear, including self-contained breathing apparatus (SAA1716) must be worn.
Reactivity Hazards:	Stable under normal conditions of use. No dangerous reaction known under normal conditions of use.
Incompatibility:	Compatible with most other chemical compounds.
Other Safe Handling:	Neutralizing chemicals not required

OTHER INFORMATION

CONTACT POINT: Anthony Hawes: 0425 232 052

This MSDS 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 MSDS.

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.

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END MSDS