



Safety Data Sheet: NoPests Madex®2

Safety Data Sheet: MADEX 2

1. IDENTIFICATION

Product Name:	MADEX 2
Other Names:	-
Recommended Use:	Biopesticide; <i>Cydia pomonella</i> granulovirus for the control of codling moth on pipfruit.
Distributor:	Key Industries Ltd
Address:	P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone:	09 917 1791
Emergency Phone:	0800 CHEMCALL (0800 243 622) 24 hours
National Poisons Centre:	0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Hazard Classification) Notice 2020.

Approval:	HSR101244
Hazard Classifications:	Designed for biocidal action. Skin sensitisation, Category 1

Pictograms:



Signal word: WARNING

Hazard statements: May cause an allergic skin reaction.
Designed for biocidal action.

Precautionary statements:

Prevention: Read label before use.
Avoid breathing mist/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
Avoid release to the environment (unless used as per label).

Response:

IF ON SKIN: Wash with plenty of water
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before re-use.
Collect spillage.

Storage:

Disposal: -
Dispose of product and container in accordance with local regulations.



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Other information:

Hazardous Substance (Labelling) Notice 2020

Do not apply directly into or onto water.

Apply using ground-based methods only.

NZS5433 Transportation of Dangerous Goods on Land

Classified as non-DG for transport.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
<i>Cydia pomonella</i> granulovirus occlusion bodies	Not applicable	<1 *
Other ingredients **	Trade secret	Balance

* 2.5×10^{12} granulovirus occlusion bodies/L

**Do not affect hazardous classification of the substance

4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Have product label or Safety Data Sheet at hand.

INGESTION: Rinse mouth. Get medical advice if person feels unwell.

If vomiting occurs spontaneously, keep head below hips to prevent vomit entering lungs.

SKIN CONTACT: Wash affected area with soap and water. If irritation or rash occurs, obtain medical advice. Wash contaminated clothing before reuse.

EYE CONTACT: Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. If irritation develops, obtain medical assistance.

INHALATION: Remove patient to fresh air and keep at rest until recovered. Get medical advice if person feels unwell.

First Aid facilities:

Provide eye baths and safety showers close to work areas.

Advice to Doctor:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flashpoint: Non-flammable.

Suitable extinguishing media: Water fog, fine water spray, carbon dioxide, dry chemical, foam as appropriate to surrounding materials. Do NOT use water as a jet.

Hazards from combustion products: May generate harmful fumes/smoke.

Precautions for fire fighters and special protective equipment: Self-contained breathing apparatus with full face-piece and protective clothing.

Hazchem Code: Not applicable.



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6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Read label before use. Wear appropriate personal protection equipment, e.g. gloves and safety glasses, to prevent contact with skin and eyes. Do not breathe spray mist.

Environmental Precautions: Contain spillage and prevent from entering drains, sewer or any water course. In event of spillage contaminating a watercourse, notify the Police, local Health Protection Officer and Council.

Methods and materials for containment: Contain any liquid spill with earth, clay, sand, sawdust, vermiculate or similar absorbent material. Collect into labelled containers that can be sealed for disposal to landfill. Wash down area with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Read and observe all precautions and instructions on the label. Wear impervious gloves and protect eyes from spray mist. Wash hands and exposed skin after handling. Wash contaminated clothing and safety equipment before re-use.

Conditions for Safe Storage:

Keep out of reach of children. Store in closed original container frozen in a deep freeze or refrigerator. If stored at room temperature, use within 28 days.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: Workplace Exposure Standards (WES), have not been set by Worksafe (ed. 13, April 2022) for compounds in this substance:

Biological limit values: None established

Engineering Controls:

Ventilation: Use outdoors or in a well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection should not be necessary under normal use conditions.

Eye Protection: Wear safety goggles or glasses with side shields.

Skin/ Body Protection: Wear impervious gloves, e.g. rubber.

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey-brown liquid suspension
Odour	Non-specific
Odour threshold	Not determined
pH	6.0 – 7.0

EMERGENCY PHONE: 0800 CHEMCALL (0800 243 622) 24 hours

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Date of Revision: June, 2027



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Melting/Freezing point °C	Not determined
Boiling Point/Range °C	>100
Flash Point °C	Non flammable
Flammability (solid, gas)	Not determined
Upper/lower flammability/explosive limits	Not known
Vapour Pressure mm Hg @ 20°C	Not determined
Vapour Density Pa @ 25°C	Not applicable
Relative density	1.1 -1.2
Solubilities	Forms suspension/dispersion in water
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not applicable
Particle characteristics	Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage and use conditions as specified on product label.

Conditions to avoid: Storage at room temperature >28 days once thawed; contact with products with pH <6 or ≥8; contact with oxidizing agents.

Hazardous decomposition products: Not specified.

Hazardous reactions: Not known to occur.

11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.

Acute toxicity: Not classified as being acutely toxic by oral, dermal or inhalation exposure.

Aspiration hazard: Not classified as an aspiration hazard.

Respiratory irritation: Not classified as respiratory irritant. Spray/mist may be slightly irritating to upper respiratory tract.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified. May be slightly irritating to eyes.

Respiratory or skin sensitization: Identified as contact skin sensitizer.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: Not classified.

Narcotic effects: Not classified.

Toxicological Information: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: This product is classified for biocidal action.

Persistence and degradability: No specific information on product is available.

Potential to be bioaccumulative: No specific information available.

Mobility in soil: No specific information available.



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Other adverse effects: No information available.

Ecotoxicological Information: Not available.

Environmental Exposure Limits (EEL's): Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure container is empty before disposal to landfill.

Waste should be disposed of to an approved waste disposal facility or by burying at an approved site.

Ensure disposal of containers and product is in compliance with requirements of national and local authorities.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.		UN No.		UN No.	
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

Marine Pollutant: -

Dangerous Goods Segregation

This product is classified as a non-Dangerous Good Class for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code:

HSR101244; MADEX 2

Classifications:

Skin sensitisation, Category 1; Designed for biocidal action.

Controls:

Refer to www.epa.govt.nz for information on Controls and www.worksafe.govt.nz for further information on compliance.

Additional label statement requirements:

Clause 52 of the Hazardous Property Controls Notice applies to this substance as if it is an agrichemical that is in the hazard class hazardous to the aquatic environment.

Do not apply directly into or onto water.

ACVM Act 1997

Registration Number:

P9452; MADEX 2

Refer to www.foodsafety.govt.nz for Conditions of Registration.



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16. OTHER INFORMATION

Date of issue: 20th June 2022
Reasons for Issue: Update GHS classification, SDS information, 24 hour Emergency telephone number.
Replaces: SDS dated 22nd October 2019.

Abbreviations:

ACVM Agricultural Compounds and Veterinary Medicines
ECHA European Chemical Agency
EPA New Zealand Environmental Protection Authority
GHS Global Harmonised System
HSIS Hazardous Substance Information System
HSNO Hazardous Substances and New Organisms
NZIoC New Zealand Inventory of Chemicals
STEL Short Term Exposure Limit (15 minute exposure period)
TWA Time-Weighted Average (8 hours exposure period)
WES Workplace Exposure Standard

References:

EPA www.epa.govt.nz
Supplier information and SDS
Worksafe NZ www.worksafe.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. 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. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.