



**SAFETY DATA SHEET**  
**MADEX Biological Insecticide**

**SECTION 1: Identification: Product identifier and chemical identity**

**Product identifier**

**Product name** MADEX Biological Insecticide

**Relevant identified uses of the substance or mixture and uses advised against**

**Application** Biological insecticide

**Uses advised against** No specific uses advised against are identified.

**Details of the supplier of the safety data sheet**

**Supplier** www.sumitomo-chem.com.au  
Sumitomo Chemical Australia Pty Ltd  
Level 5, 51 Rawson Street,  
EPPING, NSW 2121  
(02) 8752 9000  
(02) 8752 9099  
Reception@sumitomo-chem.com.au

**Emergency telephone number**

**Emergency telephone** 1800 033 111 (Australia)

**SECTION 2: Hazard(s) identification**

**Classification of the substance or mixture**

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** Not Classified

**Precautionary statements** P405 Store locked up.  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

**Other hazards**

This product does not contain any substances classified as PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

**SECTION 3: Composition and information on ingredients**

**Mixtures**

<b>Other, non-hazardous ingredients</b>	<b>60-100%</b>
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CAS number: —

<b>Cydia pomonella granulovirus</b>	<b>&lt;1%</b>
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CAS number: —

## MADEX Biological Insecticide

### SECTION 4: First aid measures

#### Description of first aid measures

<b>General information</b>	If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766), and follow the advice given. Show this Safety Data Sheet to a doctor.
<b>Inhalation</b>	Only possible by exposure to HOT product. Move to fresh air, rest, half upright position, loosen clothing. Oxygen or artificial respiration if there is difficulty in breathing. Seek medical advice after significant exposure. Symptomatic treatment is advised.
<b>Ingestion</b>	No specific recommendations.
<b>Skin Contact</b>	Remove contaminated clothing. Seek medical advice if irritation develops. Launder clothes before reuse. After contact with skin, wash immediately with plenty of water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.

#### Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	No specific symptoms known.

#### Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	No special treatment required.

### SECTION 5: Firefighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire. Do not use the following: Foam.

#### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Vapours cause coughing. At elevated temperatures (> 200°C), there is a risk of exothermic polymerization. At temperatures > 280°C, acrolein may be formed.
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#### Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid contact with oxidizing agents. Cool closed containers with water.
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<b>Hazchem Code</b>	3Z
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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use protective clothing, chemical-resistant gloves and boots. Do not inhale.
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#### Environmental precautions

<b>Environmental precautions</b>	Prevent the entry of spilled material and runoff from spillage into waterways, sewers, basements or confined areas. Avoid release to the environment. Collect spillage.
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## MADEX Biological Insecticide

### Methods and material for containment and cleaning up

**Methods for cleaning up** Use adsorbent material to collect spillage (e.g. sawdust, peat, chemical binder). Place contaminated adsorbent in closable containers. Use a damp cloth to clean floors and other objects after removal of contaminated adsorbent. Also place used cleaning materials into closable receptacles.

### Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

### SECTION 7: Handling and storage, including how the chemical may be safely used

#### Precautions for safe handling

**Usage precautions** The usual precautions for handling chemicals should be observed.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep only in the original container. Store in the refrigerator (< 5°C) for two years. Store at -18°C for years without any loss of activity.

#### Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1

### SECTION 8: Exposure controls and personal protection

#### Exposure controls

**Eye/face protection** No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection** When using the product, wear elbow length PVC gloves.

**Other skin and body protection** Wear protective clothing.

**Hygiene measures** Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

**Respiratory protection** No specific recommendations.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Grey-brown
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	pH (concentrated solution): 6-7
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	103°C - 290°C
<b>Flash point</b>	Not determined. > 101°C
<b>Evaporation rate</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.

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Vapour density	Not relevant.
Relative density	1.16
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	>200°C
Explosive properties	Not considered to be explosive.
Oxidising properties	Not applicable.

### SECTION 10: Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Keep at temperature not exceeding 200°C.
Materials to avoid	Oxidising agents.
Hazardous decomposition products	Acrolein

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) NOAEL 5x10<sup>9</sup> granules / kg bw, Oral, Rat

##### Skin corrosion/irritation

Animal data Dose: 0.5mL/animal (2.2x10<sup>13</sup> granula of CpGV/L), 4 hours, Rabbit Not irritating.

##### Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1mL/eye (2.2x10<sup>13</sup> granula of CpGV/L), 24 hours, Rabbit Non-irritating

##### Respiratory sensitisation

Respiratory sensitisation Guinea pig: 35 mg CpGV (7 × 10<sup>8</sup> granules) per m<sup>3</sup> for 15 min, no adverse effects

##### Germ cell mutagenicity

Genotoxicity - in vitro Not determined.

##### Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

##### Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

##### Specific target organ toxicity - single exposure

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**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Not relevant.

## SECTION 12: Ecological information

### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >100 mg/l, *Oncorhynchus mykiss* (Rainbow trout)

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 48 hours: >100 mg/l, *Daphnia magna*

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: >100 mg/l, *Scenedesmus subspicatus*  
EC<sub>50</sub>, 7 days: >100 mg/l, *Lemna gibba*

### Persistence and degradability

**Persistence and degradability** pH, UV light, Soil microflora

### Bioaccumulative potential

**Bioaccumulative Potential** Not determined.

**Partition coefficient** Not determined.

### Mobility in soil

**Mobility** CpGV persists in the soil for a fairly long period in the immobilised state and does not accumulate.

**Adsorption/desorption coefficient** Not determined.

**Surface tension** Not determined.

### Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### Waste treatment methods

**Disposal methods** Triple or preferably pressure rinse containers before disposal. DO NOT dispose of undiluted chemicals 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.

## SECTION 14: Transport information

**General** Not a dangerous good for transport by Road and Rail according to ADG 7 code

### UN number

3082

## MADEX Biological Insecticide

### UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### Transport hazard class(es)

9

### Packing group

III

### Special precautions for user

Hazchem Code 3Z

### SECTION 15: Regulatory information

#### Inventories

##### **Australia - AICS**

None of the ingredients are listed or exempt.

### SECTION 16: Any other relevant information

<b>Training advice</b>	Only trained personnel should use this material.
<b>Revision date</b>	16/09/2021
<b>Revision</b>	2
<b>Supersedes date</b>	1/12/2016
<b>SDS No.</b>	4786

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