



## COLIN CAMPBELL (CHEMICALS) PTY. LTD.

### SAFETY DATA SHEET

Date of Issue: 1 December 2016

#### 1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** CAMPBELL CYD-X BIOLOGICAL INSECTICIDE  
**Other Names:** Codling moth granulosis virurs, CpGV  
**Chemical Group:** Biological insecticide  
**CAS No.:** 31393-98-3, 25719-60-2  
**Recommended Use:** Insecticide for use on horticultural crops  
**Supplier Details:** Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590  
5 Blackfriar Place  
Wetherill Park NSW 2164  
**Telephone:** (02) 9725 2544  
**Fax:** (02) 9604 7768  
**Email:** [cccsyd@campbellchemicals.com.au](mailto:cccsyd@campbellchemicals.com.au)  
**Website:** [www.campbellchemicals.com.au](http://www.campbellchemicals.com.au)  
**Contact:** Product Development Manager – (02) 9725 2544  
**Emergency Telephone Number:** 13 11 26 (Poisons Information Centre)

#### 2) HAZARDS IDENTIFICATION

**GHS classification:** Not classified as hazardous.

**GHS Signal Words:** CAUTION

**Hazard Statements :** None required

**General Precautionary Statements :**  
P102 : Keep out of reach of children.  
P103 : Read label before use.

**Pictograms :** No pictogram required

**Precautionary statements Prevention:**  
P261 : Avoid breathing dust, fumes, gas, mist, vapours or spray.  
P262 : Do not get in eyes, on skin or on clothing.  
P264 : Wash hands thoroughly after handling and before eating, drinking, chewing gum, smoking or using the toilet..  
P280 : Wear protective clothing, chemical resistant gloves, and safety glasses.

**Precautionary statements Response:**  
P302 + P352 IF ON SKIN : Wash with plenty of soap and water.  
P332 +P313 : If skin irritation occurs : Get medical attention.  
P362 + P364 : Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.  
P337 + P313 : If eye irritation persists: Get medical attention.



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- Storage :** P402 + P404 : Store in a dry place. Store in a closed container.  
P403+P235 : Store in a well-ventilated place. Keep cool.  
P411 : Store at temperatures not exceeding 5°C.
- Disposal:** P501 Dispose of contents/container to an approved waste disposal plant.
- Other information :** Non dangerous good as defined by the Australian Dangerous Goods Code for transport by road and rail in Australia.  
Hazardous goods as defined by SWA.

#### 3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Cydia pomonella granulosis virus	Not applicable.	0.06%
Proprietary	Proprietary	Balance

#### 4) FIRST AID MEASURES

**If poisoning occurs, move out of dangerous area immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given.  
Show this Safety Data Sheet to the doctor.**

- If inhaled:** Move to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call a doctor and give artificial respiration, preferably mouth to mouth if possible.
- In case of skin contact:** Carefully remove contaminated clothing and shoes immediately. Wash affected areas with mild soap and plenty of water. If skin redness or irritation occurs, get medical attention. Wash contaminated clothing before reuse.
- In case of eye contact:** Rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do after the first 5 minutes of washing, then continue rinsing cautiously for several minutes. If eye irritation persists, call a doctor.
- If swallowed:** Remove from source of exposure. DO NOT induce vomiting. If signs of toxicity appear, contact a Poisons Information Centre or a doctor. Do not give anything by mouth to an unconscious person.
- First Aid facilities** Ensure eye wash and safety shower are available.
- Medical Attention:** No information on symptoms. The first aid procedure should be established in consultation with a doctor responsible for industrial medicine.



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#### 5) FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Water mist, carbon dioxide, alcohol-resistant foam or dry chemical. Use appropriate medium for the underlying cause of the fire.
<b>Hazard from combustion products</b>	None known
<b>Precautions for fighting fires</b>	None specified
<b>Hazchem Code</b>	None allocated

#### 6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Ensure adequate ventilation. Contain spill and absorb with earth, sand, clay or other absorbent material. Prevent spilled material from entering drains or watercourses. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.

#### 7) HANDLING AND STORAGE

<b>Handling</b>	Keep out of reach of children. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Do not inhale spray mist. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.
<b>Storage</b>	Store in the tightly closed original container only. Store in a cool dry area out of the way of children. Store at temperatures below 30°C. Bioactivity may be impaired by storage above 30°C. Storing the product in freezer or refrigerator will extend shelf life.

#### 8) EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Standards</b>	No exposure limits determined. Exposure standard – Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week.
<b>Biological Limit</b>	None allocated



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#### Values

<b>Engineering Controls</b>	Control process conditions to avoid contact. Use in a well ventilated area only. Facilities storing or utilising this material should be equipped with an eyewash facility and safety shower. Provide mechanical ventilation for enclosed spaces.
<b>Personal Protective Equipment</b>	Eyes: Safety goggles. Eye wash bottle with pure water. Clothing: Impervious overalls buttoned to the neck and wrists and a washable hat. Gloves: Waterproof gloves. Before removing gloves clean them with soap and water. Respiratory: Not necessary unless adequate ventilation is inadequate. If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn.

#### 9) PHYSICAL AND CHEMICALS PROPERTIES

<b>Appearance:</b>	Grey/brown liquid.
<b>Odour:</b>	Mild earthy
<b>pH:</b>	6.0 – 8.0
<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Boiling point:</b>	Not determined
<b>Freezing/Melting point:</b>	Not determined
<b>Solubility:</b>	99% with water.
<b>Specific gravity:</b>	1.102 – 1.218 at 20°C
<b>Viscosity:</b>	Not determined
<b>Flash point:</b>	Not flammable
<b>Flammability</b>	Not flammable
<b>(explosive) limit:</b>	
<b>Auto ignition temperature:</b>	Not determined
<b>Partition coefficient (octanol/water):</b>	Not determined

#### 10) STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable at ambient temperatures.
<b>Conditions to avoid:</b>	Elevated temperatures.
<b>Incompatible materials :</b>	None known
<b>Hazardous decomposition products:</b>	None known
<b>Hazardous reactions:</b>	None known.



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**11) TOXICOLOGICAL INFORMATION**

<b>Inhalation:</b>	No data available.
<b>Skin contact:</b>	No data available.
<b>Eye contact:</b>	May cause mild eye irritation.
<b>Ingestion:</b>	No data available.
<b>Chronic toxicity: Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	Not applicable.
<b>Toxic to reproduction:</b>	Occasional workplace exposure is not expected to present a hazard.
<b>Specific target organ toxicity (repeated exposure):</b>	No known target organ effects.
<b>Acute toxicity: Oral toxicity: Dermal toxicity :</b>	Toxicity not expected based on published literature. Toxicity not expected based on published literature.
<b>Inhalation toxicity:</b>	Toxicity not expected based on published literature.
<b>Sensitisation:</b>	No data available.
<b>Respiratory sensitisation</b>	No data available.
<b>Specific target organ toxicity (single exposure):</b>	No known target organ effects.

**12) ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Toxicity to non-target organisms not expected based on published literature and the known specificity CpGV
<b>Environmental fate, persistence and degradability, mobility</b>	Rapid degradation, in part due to inactivation from exposure to UV light. Bioaccumulation not expected. Do not apply directly to water. Granuloviruses have the ability to leach through soil but risk of reaching groundwater is low.
<b>Identified harmful effects on environment:</b>	No data available.
<b>Other precautions:</b>	No data available.



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#### 13) DISPOSAL CONSIDERATIONS

This product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used containers. Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Do not reuse empty containers.

#### 14) TRANSPORT INFORMATION

##### International regulation

UNRTDG	Not regulated as a dangerous good.
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :	Not applicable for product as supplied.

##### National Regulations

###### ADG Code

Not considered as a dangerous good for transport by road or rail in Australia under the Australian Dangerous Goods Code.

#### 15) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 66706

#### 16) OTHER INFORMATION

Date of revision : 1 December 2016  
Reason for revision : Upgrading to GHS format.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

**END OF SDS**