

MATERIAL SAFETY DATA SHEET



PCT International Pty Ltd

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Cropro STEALTH[®]

miticide and insecticide

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURER

Product Name: Cropro Stealth miticide and insecticide
Product Code: none
Product Use: miticide for use on various crops as described on the product label.
Poison Schedule: S6
Supplier: PCT International Pty Ltd
ABN: 44 101 170 923
Street Address: Unit 5 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110
Telephone: + 61 7 3711 7022
Facsimile: + 61 7 3711 7055

Emergency telephone No: 1800 630 877

Other Information: This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

MSDS Creation Date: 25th April, 2013

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Formulation Type: Liquid emulsifiable concentrate

Ingredients	CAS NO.	Concentration
Abamectin	65195-56-4	18g/L
N-Methyl-2-pyrrolidone	872-50-4	265g/L
Liquid Hydrocarbon	64742-94-5	58g/L
Other non-hazardous ingredients		to 100%

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3. HAZARDS IDENTIFICATION

Emergency Overview Hazardous substance ; dangerous goods ; Harmful to aquatic organisms.

Physical Appearance

Form: Liquid
Colour: Light Yellow
Odour: Characteristic aromatic odour
Water Solubility: Product emulsifies in water.

Potential Health Effects

Eyes: Irritating to the eyes
Skin: May cause slight irritation
Ingestion: Decreased activity, slow rate of breathing, pupil dilation, muscle tremors and lack of co-ordination.
Inhalation: May be slightly toxic based on acute animal studies. Exact effects on humans are not known.

Primary Routes of Entry:

Eyes, Skin, Inhalation, Ingestion
Target Organs: Eyes, Skin, Respiratory Tract, Digestive System
Carcinogenicity: Not listed by NTP, IARC, ACGIH or OSHA as a carcinogen

4. FIRST AID MEASURES

Eyes: Flush eye(s) for 15 minutes or more- If irritation persists, consult a doctor (preferably an eye specialist) and show this MSDS.
Skin: Remove any contaminated clothing. Wash affected areas immediately and thoroughly with soap and water.
Ingestion: Rinse mouth and then drink plenty of water. Do not induce vomiting. If swallowed seek medical advice and show this MSDS.
Inhalation: Remove affected person from site of exposure to fresh air until recovered. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek medical attention if symptoms persist.
First Aid Facilities: If poisoning occurs, contact a doctor or Poisons Information Centre on **13 11 26** (Australia).
General Advice: Remove soiled or soaked clothing immediately.
Information for doctor: No specific antidote is available. Treatment is both symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

Flash Point: Approx. 70°C .
Autoignition Temperature: Not applicable.
Upper Explosion Limits: Not applicable.
Lower Explosion Limits: Not applicable.
Suitable Extinguishing Media: Carbon Dioxide, dry chemical, foam or water fog. Water fog or fine spray is preferred for the control of large fires.
By-products in case of Fire: In the event of a fire the following can be released: Carbon Dioxide, and if combustion is incomplete, carbon monoxide and smoke along with oxides of nitrogen and water.
Further Information: Isolate fire area, and evacuate unnecessary personnel. Wear full protective clothing and self-contained breathing apparatus. All skin areas should be covered. Do not breathe or contact smoke or vapors generated in the fire. Keep containers cool with soft stream water fog.

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Special Protective

Equipment for Firefighters: As in any fire, water, self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up/ Taking Up:

Spills: Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn as detailed below. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is complete, this material then be placed in sealable, labeled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500^{mm} of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product.

7. HANDLING AND STORAGE

Advice on safe

Handling: Keep out of reach of children. Avoid contact with eyes and skin. Wash hands after use, and before smoking or eating / drinking. Wash protective gear and clothing after each day's use. Do not inhale spray mist.

Advice on protection against fire and explosion:

Not flammable- no special measures required.

Storage information: Keep product in the original container, tightly closed, in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General protective Measures:

Avoid contact with eyes and skin
Do not inhale mists.

Hygiene Measures:

No smoking, eating or drinking allowed when using this product.
Wash hands before breaks and at end of work shift.
Protective ointment is recommended.

Respiratory Protection:

In case of formation of mists or vapours, an organic vapour cartridge respirator should be used.

Hand Protection:

Elbow length PVC gloves should be worn when using this product.

Eye Protection:

Safety goggles and/or face shield is recommended when using this product.

Protective clothing:

Cotton overalls buttoned to the neck and wrist, and a washable hat, are required when using this product.

Engineering Controls: Use in a well ventilated area only. Good general (mechanical) ventilation should be sufficient to control airborne mist levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description: Colourless to yellow liquid

Odour: Aromatic odour

Specific Gravity: 0.9 to 0.92 at 25°C

Water Solubility: Product emulsifies in water.

Volatility: No data available.

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Odour Threshold: No data available.
Evaporation Rate: No data available.

10. STABILITY AND REACTIVITY

Reactivity: Product is stable under normal conditions of storage and use.
Conditions to Avoid: Excessive heat. Store product below 30°C.
Incompatibilities: Oxidising agents.
Fire Decomposition: Carbon Dioxide, and if combustion is incomplete, carbon monoxide and smoke, along with oxides of nitrogen and water.
Polymerisation: Unlikely to occur.

11. TOXICOLOGICAL INFORMATION

Toxicity: Pure Abamectin is regarded as being highly toxic in acute animal studies, but with significant variability in sensitivity between tested species. Rodents have been shown to be particularly sensitive to Abamectin.
Chronic Toxicity: No evidence of mutagenic or carcinogenic effects have been observed with Abamectin.
Organ Toxicity: Data suggests this product is toxic if ingested. It is difficult to assess human risk by looking at rat data. LD₅₀ : 0.312mL/kg (325mg/kg).
Carcinogenic status: Not classified as carcinogenic.
Animal Toxicity Data: LD₅₀ Oral (Rat) : 10mg/kg LD₅₀ Oral (Mouse) : 13.6mg/kg
LD₅₀ Dermal (Rabbit) : >2000mg/kg
Note: harmful by inhalation and in contact with skin
Irritant to skin
Risk of serious damage to eyes
The toxicological data refer to the undiluted 100% product.

12. ECOLOGICAL INFORMATION

Effects on Aquatic Organisms: Very toxic to fish and other aquatic organisms. LC₅₀ (96-hr) is 0.003 mg/L in rainbow trout, 0.0096 mg/L in bluegill sunfish, 0.015 mg/L in sheepshead minnows, and 0.042 mg/L in carp. Its 48-hour LC₅₀ in *Daphnia magna* is 0.003 mg/L. Do not contaminate streams, rivers or waterways with the chemical or used containers.

Effects on Other Animals

(non-target species): Dangerous to bees. LC₅₀ is 0.002 µg/bee (24hr). Do not spray any plants in flower while bees are foraging. Abamectin is practically nontoxic to birds. The LD₅₀ for abamectin in bobwhite quail is >2000 mg/kg. The dietary LC₅₀ is 3102 ppm in bobwhite quail. There were no adverse effects on reproduction when mallard ducks were fed dietary doses of 3, 6, or 12 ppm for 18 weeks.

Environmental Persistence

& Degradation: Abamectin is rapidly broken down in soil and water, with half-lives between 8 hours to 4 weeks reported. Plants do not absorb Abamectin from the soil.

13. DISPOSAL CONSIDERATIONS

ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Product Disposal: In accordance with local authority regulations, take to special waste incineration plant.

Container Disposal: Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not

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recycling, break, crush or puncture empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500^{mm} deep 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.

14. TRANSPORT INFORMATION

UN No. : 2902
Shipping Name : PESTICIDES, LIQUID, TOXIC, N.O.S.
(contains ABAMECTIN)
Dangerous Goods Class : 6
Subsidiary Risk : None Allocated
Pack Group : III
Hazchem Code : 2XE



EPG: available on request
Storage and Transport: Considered dangerous goods for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

APVMA Approval No: 53511/1000
Risk Phrases: R36 - Irritating to eyes.
R23-25-39 – Toxic: Danger of very serious irreversible effects by inhalation and if swallowed.
Safety Phrases: S20 – When using, do not eat or drink.
S24/25 – Avoid contact with skin and eyes.
S39 – Wear eye/face protection.
Poisons Schedule: S6
Packaging & Labeling: READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Hazard Category
AICS (Australia): Listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Contact Person/Point: Mr David Pearson Phone: (07) 3711 7022

This MSDS contains only safety-related information. For other data, see product literature.

Any advice, recommendation, information, assistance or service provided by PCT International Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of PCT International Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and when implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.

...End of MSDS...