

# CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# MILBEKNOCK® MITICIDE

ACTIVE CONSTITUENT: 9.3 g/L MILBEMECTIN  
SOLVENT: 372 g/L LIQUID HYDROCARBONS

GROUP	<b>6</b>	INSECTICIDE
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For the control of two-spotted mite on capsicums, chili peppers, eggplant, pome fruit, stone fruit, strawberries and tomatoes plus European red mite on pome fruit, and for the control of certain mites on Ornamentals as per the Directions For Use table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS  
PRODUCT**

APVMA APPROVAL NO: 61269/103004

**CONTENTS: 1L, 5L, 10L, 20L**



Sipcam Pacific Australia Pty Ltd  
Level 1, 191 Malop Street  
Geelong VIC 3220

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# MILBEKNOCK MITICIDE

## STORAGE AND DISPOSAL

Store in the closed original container in a cool, well ventilated area. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. 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.

## SAFETY DIRECTIONS

May irritate skin. Will irritate the eyes. Avoid contact with eyes and skin. When opening the container, preparing spray, and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and face shield or goggles and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, DO NOT induce vomiting. Give a glass of water.

## SAFETY DATA SHEET

For further information refer to Safety Data Sheet which can be obtained from the supplier or by visiting - [www.sipcam.com.au](http://www.sipcam.com.au).

## NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

## Date of Manufacture:

## Batch Number:

This product is NOT classified as a Dangerous Good under the Australian Code for the transport of Dangerous Goods by road and rail.  
Limited Quantity value of 5L for this class of product.

FOR SPECIALIST ADVICE, CONTACT EMERGENCY RESPONSE  
COORDINATOR: **1800 033 111** (24 HOURS)



## G.H.S STATEMENT

**HAZARD STATEMENT: H226:** Flammable liquid and vapour. **H304:** May be fatal if swallowed and enters airways. **H332:** Harmful if inhaled. **H401:** Toxic to aquatic life. **PREVENTION: P210:** Keep away from heat, sparks, open flames and hot surfaces. - No smoking. **P233:** Keep container tightly closed. **P243:** Take precautionary measures against static discharge. **P261:** Avoid breathing fumes, mists, vapours or spray. **P271:** Use only outdoors or in a well ventilated area. **P273:** Avoid release to the environment. **P281:** Use personal protective equipment as required. **RESPONSE P301+P330+P331:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **P303+P361+P353:** IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. **P304+P340:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. **P370+P378:** In case of fire, note the following. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used. Try to contain spills, minimise spillage entering drains or water courses.

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**This leaflet is part of the label**

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## DIRECTIONS FOR USE

### Restraints:

DO NOT apply if rainfall or irrigation is expected before the MILBEKNOCK spray has time to dry on the leaves.

DO NOT use by aerial application.

DO NOT use on indoor plants or outdoor plants such as ferns that are known to be sensitive to pesticide sprays.

### Spray Drift Restraints:

DO NOT apply if there are livestock, pasture or any land that is producing feed for livestock downwind from the application area and within the mandatory no-spray zone shown below.

### FOR GROUND APPLICATION: AIRBLAST APPLICATION

Wind Speed Range at Time of Application should be from 3 to 20 kilometres per hour with a downwind Mandatory No-Spray Zone of 30 m.

### NO-SPRAY ZONES FOR THE AQUATIC ENVIRONMENT

For ground application. Wind Speed Range at Time of Application should be from 3 to 20 kilometres per hour with a downwind Mandatory No-Spray Zone of 40 m.

When applying by ground spray equipment DO NOT apply with spray droplets smaller than a FINE spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the British Crop Production Council guideline.

Crop	Pest	Rate	Comments
Pome fruit	European Red Mite ( <i>Panonychus ulmi</i> )  Two-spotted Mite ( <i>Tetranychus urticae</i> )	<b>Dilute Spraying</b> 100-125 mL/100L plus 25mL/100L of a 60% non-ionic surfactant	DO NOT apply more than one application per season. Use the higher rate on larger, mature trees with dense foliage or when there is a high population of mites. Application should be made soon after mite numbers have reached the threshold for your area. For European red mite, apply from 2 weeks after petal fall if monitoring shows high numbers of overwintering European red mite eggs. MILBEKNOCK takes 7-14 days to reach maximum mite control. In the absence of predatory mites, re-treatment with another miticide may be necessary.  <b>Dilute Spraying:</b> Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plant canopy is essential. <b>Concentrate spraying:</b> Refer to the Mixing/ Application section.
Stone fruit	Two-spotted Mite ( <i>Tetranychus urticae</i> )	<b>Dilute Spraying</b> 100-125mL /100 L plus 25 mL/100L of a 60% non-ionic surfactant	DO NOT apply more than 2 applications per season. Use the higher rate on larger, mature trees with dense foliage or when there is a high population of mites. Application should be made soon after mite numbers have reached the threshold for your area. MILBEKNOCK takes 7-14 days to reach maximum mite control. In the absence of predatory mites, re-treatment with another miticide may be necessary. A second application of MILBEKNOCK may be applied per season. DO NOT apply the second application of MILBEKNOCK within 7 days of the first and do not apply 2 consecutive sprays within or between seasons or crops without an unrelated chemical being used in between.  <b>Dilute Spraying:</b> Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plant canopy is essential. <b>Concentrate spraying:</b> Refer to the Mixing/ Application section.
Capsicums (sweet peppers), eggplants, chili peppers, tomatoes		<b>Dilute Spraying</b> 100 mL /100 L <b>Boom application</b> 1.0L/ha	Thorough coverage and penetration into plant canopy is essential. Preferably apply on first appearance of mites. When applied early, one application may be sufficient to give effective control. However, if mite numbers exceed local threshold levels a second application may be required. MILBEKNOCK should not be applied in 2 consecutive sprays within or between seasons or crops without an unrelated chemical being used in between.
Strawberries		<b>Dilute Spraying</b> 125 mL /100L	Refer to notes on Resistance under the General Instructions section of the label.  <b>Capsicums (sweet peppers), eggplants, chili peppers, tomatoes:</b> DO NOT apply a second application within 14 days of the first.
Ornamentals, including roses, chrysanthemums and carnations		125mL/100L	Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plants is essential. Total volume of application should be 500-1200 L/ha depending on the size of the plants and the denseness of the foliage. Preferably apply on first appearance of mites. When applied early, one application may be sufficient to give effective control. However, if mite numbers exceed local threshold levels a second application 14 days later may be required. Apply no more than 2 sprays of MILBEKNOCK per season. If retreatment is required after 2 consecutive

			sprays with MILBEKNOCK, use an approved miticide from a different chemical group. For ornamentals not listed on the label, small test applications to assess for unexpected phytotoxicity should be made before spraying the whole crop. Refer to notes on Resistance under the General Instructions section of the label.
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**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIODS:**

<b>Stone fruit</b>	DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION DO NOT ALLOW LIVESTOCK TO GRAZE IN TREATED AREAS
<b>Pome fruit</b>	DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION DO NOT ALLOW LIVESTOCK TO GRAZE IN TREATED AREAS
<b>Strawberries</b>	DO NOT HARVEST FOR 1 DAY AFTER APPLICATION
<b>Capsicums, tomatoes, eggplant, chili peppers</b>	DO NOT HARVEST FOR 1 DAY AFTER APPLICATION
<b>Ornamentals</b>	NOT REQUIRED WHEN USED AS DIRECTED DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD

**EXPORT TRADE ADVICE**

Treated crop commodities destined for export may require extra time being allowed between application and harvest, as some export markets have either no Maximum Residue Limit (MRL) or different MRL to those of Australia. Details of overseas standards and export interval can be obtained by contacting Sipcam before using this product.

**GENERAL INSTRUCTIONS**

MILBEKNOCK is effective on all mite growth stages, adults, larvae, nymphs and eggs. MILBEKNOCK quickly moves into young leaves from where it is taken up by feeding mites, but may take 7-14 days to reach maximum control. MILBEKNOCK absorbed within leaves remains active for many weeks. MILBEKNOCK that is not absorbed into leaf tissue is quickly degraded by sunlight. Milbeknock is not systemic, so good spray coverage is essential. As leaves become older they become more "tough or leathery" and absorption of MILBEKNOCK may be reduced.

**Insecticide Resistance Warning**

GROUP	<b>6</b>	INSECTICIDE
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For insecticide resistance management MILBEKNOCK is a group 6 insecticide. Some naturally occurring insect biotypes resistant to milbemectin and other Group 6 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if MILBEKNOCK and other group 6 insecticides are used repeatedly. The effectiveness of MILBEKNOCK on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Sipcam accepts no liability for any losses that may result from the failure of MILBEKNOCK to control resistant insects. MILBEKNOCK may be subject to specific resistance management strategies. For further information contact your supplier, Sipcam representative or local agricultural department agronomist.

**Resistance**

MILBEKNOCK should not be applied more than once per season in pome fruit or twice in stone fruit, capsicums, eggplants, chili peppers, tomatoes, or strawberries. In addition, MILBEKNOCK should not be applied in 2 consecutive sprays within or between seasons or crops without an unrelated chemical being used in between. Alternate MILBEKNOCK with approved miticides from other chemical groups.

**Crop Monitoring**

Effective mite control depends upon correct timing of application. Check crops regularly (every 3 to 5 days) during the season. Apply before there is a build-up of a mite population. See the critical comments section of the label for crop specific recommendations.

**PRECAUTION: Re-Entry Period**

DO NOT enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use. DO NOT allow entry into treated glasshouses or other enclosed areas until the spray has dried, and enclosed area has been thoroughly ventilated.

**Integrated Mite Control**

MILBEKNOCK may kill non-target beneficial invertebrates including in refuge areas where IPM is practiced. DO NOT use in IPM programs unless the pest mite threshold has been reached and predators are unlikely to achieve effective control. Predatory mite population numbers may not increase for a number of weeks after application of

MILBEKNOCK due to a lack of suitable mite prey and a possible direct effect of the miticide on the predators. Predatory mite numbers should increase with any increase in pest mite numbers allowing the continuation of biological mite control.

### **Mixing Instructions**

Measure the required amount of MILBEKNOCK, add to partly filled spray tank, and then add the remainder of the water. Where required, add a 60% non-ionic surfactant at the end of the filling process.

### **Application**

Apply by high volume (Dilute or Concentrate Spraying) or boom spraying equipment as given in the directions for use table. Thorough coverage and penetration into plant canopy is essential. The chosen water volume should match the crop and foliage density being sprayed so that there is even coverage throughout the canopy.

### **Boom Spraying**

Apply at sufficient volume and pressure to obtain thorough coverage and penetration of the plant. Air assisted booms or droppers may be used to improve coverage through the canopy by directing the spray into the plants and away from the inter-row.

### **Dilute Spraying**

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the stage of growth of crop being sprayed. Calibrate and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or specialist advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume, sprayer calibration and operation may all need to be changed as the crop grows.

### **Concentrate Spraying**

Use a sprayer designed and calibrated for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the stage of crop being sprayed. Calibrate and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way:

### **Example only -**

Dilute spray volume, as determined above to achieve coverage near the point of run-off, for example is 2000 L/ha. Your chosen concentrate spray volume is 1000 L/ha. The concentration factor in this example is:  $2 \times (2000 \text{ L} \div 1000 \text{ L} = 2)$ . If the dilute label rate is 100 mL/100 L, then the concentrate rate becomes  $2 \times 100$ , which is 200 mL/100 L of water. The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

### **Compatibility**

MILBEKNOCK is compatible with most commonly used insecticides and fungicides. DO NOT use with chlorothalonil or Bordeaux tank mixes. However, as formulations of other manufacturer's products are beyond the control of Sipcam, all mixtures should be tested prior to mixing commercial quantities.

### **Monitoring Ornamentals**

Effective mite control depends upon correct timing of application. Check the ornamental flower or plant regularly (every 3 to 5 days) during the season. Apply before there is a build-up of a mite population. See the critical comments section of the label for specific recommendations

### **Plant Safety**

For Ornamentals not listed on the label, a small test application should be made before spraying, to assess for unexpected phytotoxicity.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT.**

Very toxic to aquatic life. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

### **PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS**

Highly toxic to bees. A risk is identified for bees foraging in the crop to be treated or in hives and non-target areas which are over-sprayed or reached by spray drift. DO NOT spray while bees are actively foraging.

## **STORAGE AND DISPOSAL**

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## **SAFETY DIRECTIONS**

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## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. Give a glass of water.

## **SAFETY DATA SHEET**

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