

## MATERIAL SAFETY DATA SHEET

### STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of NOHSC

### COMPANY DETAILS:

Syngenta Crop Protection Pty Limited  
ABN 33 002 933 717  
Level 1, 2-4 Lyon Park Road  
NORTH RYDE, NSW 2113

Telephone No.: (02) 8876 8444  
24 Hours Emergency No.: 1 800 033 111

## IDENTIFICATION

### PRODUCT NAME: PROCLAIM<sup>®</sup> INSECTICIDE

Formulation Type:	Water soluble granule	Dangerous Goods Class/	None allocated
Active Ingredient:	Emamectin	Subsidiary Risk (ADG):	None allocated
Product Code No.:	A-10324A	Hazchem Code:	None allocated
Chemical Type:	Macrocyclic lactone	Packing Group:	None allocated
UN Number (ADG):	None allocated	Poisons Schedule:	6

**USE:** Insecticide for the control of Diamondback Moth in Brassica Vegetables.

### PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	White to off-white granule	Flash Point:	Not applicable
Odour:	No odour	Flammability:	Non-flammable
Vapour Pressure:	Not available	Behaviour in Water:	Soluble
Specific Gravity:	Not applicable		

### OTHER PROPERTIES

pH:	5-9	Corrosivesness:	None to HDPE
Combustibility:	Combustible		

### INGREDIENTS

	CAS No.	Content (%w/w)
Emamectin benzoate (technical grade)		>5
to give Emamectin benzoate	137515-74-4	5
Other ingredients determined not to be hazardous		to 100

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

#### **ACUTE**

**Toxicity** - This product is slightly hazardous (WHO Hazard Class III)

Swallowed: **LOW TOXICITY**  
Tests indicate a low toxicity following single doses of undiluted product.  
(LD<sub>50</sub> = 1516 mg/kg)

Dermal absorption: **LOW TOXICITY**  
Tests indicate a low toxicity due to skin contact with undiluted product.  
(LD<sub>50</sub> >2000 mg/kg)

Inhaled: **LOW TOXICITY**  
Tests indicate a low toxicity due to inhalation with undiluted product.  
(LD<sub>50</sub> (4hr) =5 mg/L air)

#### **Irritation**

Eye: **MILD IRRITANT**  
Skin: **MILD IRRITANT**

**Sensitisation**  
Skin: **NOT AVAILABLE** – unlikely to be a sensitising agent

**Poisoning symptoms:**

No case of human poisoning due to this product is on record. The poisoning symptoms observed in laboratory studies include tremors, central and peripheral nerve lesions.

**CHRONIC** (Active Ingredient)

Emamectin technical has been extensively tested in laboratory mammal and test tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects has been obtained.

**FIRST AID**

**In case of poisoning by any exposure route contact a doctor or Poisons Information Centre. Phone 131 126.**

Swallowed: If swallowed, do not induce vomiting. Give large quantities of water and seek immediate medical assistance.  
Eye: If product gets in eyes immediately flush skin or eyes with running water for at least 15 minutes.  
Skin: In case of contact with skin, immediately flush skin with running water for at least 15 minutes. Remove contaminated clothing and wash affected areas thoroughly with soap and water. Wash contaminated clothing before re-use.  
Inhaled: Move person to fresh air and keep at rest until recovered. If any signs or symptoms occur or persist, get medical attention.

**ADVICE TO DOCTOR**

No specific antidote exists. Treat symptomatically.

## PRECAUTIONS FOR USE

### ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

**EXPOSURE STANDARDS**

No official exposure standards have been set for the ingredients of this product.

**Exposure Potential** - Swallowing is unlikely under normal conditions of usage. Significant skin uptake does not occur. Inhalation is a possible route of exposure. This product is diluted with water prior to use as a spray. This diluted form is less toxic by all routes of exposure.

**Re-entry Period** - Do not enter treated areas without protective clothing for 8 hours after application.

**ENGINEERING CONTROLS**

No special requirements. Product is used outdoors.

**PERSONAL PROTECTION**

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing the spray wear

- cotton overalls buttoned to the neck and wrist (or equivalent clothing) and
- elbow length PVC gloves.

Wash hands after use. After each day's use, wash gloves and contaminated clothing.

Only use protective equipment bearing the mark of the Standards Association of Australia.

**FLAMMABILITY**

This product is NON-FLAMMABLE, however it is combustible.

## SAFE HANDLING INFORMATION

### STORAGE AND TRANSPORT

Store in tightly sealed original containers in a dry secure place away from fertilisers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.

#### Transport Classification – Sea (IMDG):

<b>UN No.:</b> 3077	<b>Proper Shipping Name:</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS EMAMECTIN)
<b>Class:</b> 9	<b>Additional Information:</b> EMAMECTIN 5%, MARINE POLLUTANT
<b>Packing Group:</b> III	

### SPILLS AND DISPOSAL

In case of spillage it is important to take all steps necessary to:

- Avoid eye and skin contact.
- Avoid contamination of waterways.

#### *Procedure for spill:*

- (1) Keep all bystanders away.
- (2) Wear full length clothing and PVC gloves.
- (3) Re-position any leaking containers so as to minimise further leakage.
- (4) **For a product spill:** Sweep granule concentrate into a pile.  
**For a prepared spray spill:** Dam and absorb spill with an absorbent material (e.g. sand or soil).
- (5) Shovel the absorbed material or granule concentrate into drums.
- (6) Disposal of the absorbed material will depend upon the extent of the spill.
  - For quantities up to 50kg of product bury in a secure landfill site.
  - For quantities greater than 50kg seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established.
- (7) Decontaminate the spill area with detergent and water and rinse with water.

#### *Dispose of empty, used containers by:*

- (a) Single rinse outer pack before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on-site.
- (b) Puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

### FIRE/EXPLOSION HAZARD

This product is non-flammable, non-explosive and is combustible. Extinguish warehouse and factory fires using fine water-spray or foam. Do not allow fire-water to enter drains.

### OTHER INFORMATION

Emamectin technical is toxic to bees, fish and crustaceans.

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**Note:** This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Federal health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

<b>CONTACT POINT:</b> Regulatory Affairs Manager - Crop Protection - (02) 8876 8444
<b>24 HOURS EMERGENCY CONTACT:</b> 1 800 033 111

This Material Safety Data Sheet 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 how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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