

## MATERIAL SAFETY DATA SHEET

### STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of Worksafe Australia

### COMPANY DETAILS:

Syngenta Crop Protection Pty Limited  
ABN 33 002 933 717  
140-150 Bungaree Rd.,  
PENDLE HILL, NSW, 2145

Telephone No.: (02) 9688 0444  
24 Hours Emergency No.: 1 800 033 111

## IDENTIFICATION

**PRODUCT NAME:** INSEGAR<sup>®</sup> 250 W Insect Growth Regulator

<b>Formulation Type:</b>	Wettable powder	<b>Dangerous Goods Class:</b>	None allocated
<b>Active Ingredient:</b>	Fenoxycarb	<b>Subsidiary Risk:</b>	None allocated
<b>Product Code No.:</b>	A-7699A	<b>Hazchem Code:</b>	None allocated
<b>Chemical type:</b>	Carbamate	<b>Poisons Schedule:</b>	Exempt
<b>UN Number:</b>	None allocated		

**USE:** For the control of codling moth and light brown apple moth and as an aid in the control of San José scale in apples and pears. Refer to the product label for full use instructions.

### PHYSICAL DESCRIPTION/PROPERTIES

<b>Appearance:</b>	Whitish, fine powder	<b>Flash Point:</b>	approx. 224°C (closed cup)
<b>Odour:</b>	Odourless	<b>Flammability:</b>	Non-flammable
<b>Vapour pressure:</b>	Not available	<b>Combustibility:</b>	Non-combustible
<b>Bulk density:</b>	0.12 - 0.22 g/cm <sup>3</sup>	<b>Behaviour in water:</b>	Suspensible

### OTHER PROPERTIES

<b>Volatility:</b>	Non-volatile	<b>Corrosiveness:</b>	Non-corrosive
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### INGREDIENTS

	CAS No.	Content (%w/v)
<b>Fenoxycarb (technical grade)</b>		>25
to give <b>fenoxycarb</b>	79127-80-3	25
Other ingredients determined not to be hazardous		to 100

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

#### ACUTE

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

Swallowed:	<b>LOW TOXICITY</b> Tests indicate a low toxicity following single doses of undiluted product. (LD <sub>50</sub> >5000 mg/kg)
Dermal absorption:	<b>LOW TOXICITY</b> Tests indicate a low toxicity due to skin contact with undiluted product. (LD <sub>50</sub> >2000 mg/kg)
Inhaled:	<b>LOW TOXICITY</b> Tests indicate a low toxicity due to inhalation of undiluted product. (LC <sub>50</sub> (4 h) >3481 mg/m <sup>3</sup> )

**Irritation**

Eye: SLIGHT IRRITANT  
Skin: SLIGHT IRRITANT

**Sensitisation**

Skin: NON-SENSITISER

**Poisoning symptoms:**

No case of human poisoning due to this product is on record. The poisoning symptoms observed in studies were non-specific.

***CHRONIC*** (Active Ingredient)

**Fenoxycarb technical** has been extensively tested and no evidence of mutagenic, teratogenic or reproductive effects were obtained.

**FIRST AID**

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

**Phone 131 126.**

Swallowed: In case of poisoning contact a doctor or Poisons Information Centre.  
Eye: Flush with large quantities of clean tap water for at least 15 minutes.  
Skin: Remove any contaminated clothing and wash affected areas thoroughly with soap and water.  
Inhaled: Move affected person to fresh air and keep at rest until recovered.

**ADVICE TO DOCTOR**

No specific antidote exists. Treat symptomatically.

**PRECAUTIONS FOR USE****ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS****EXPOSURE STANDARDS**

The nuisance particulate exposure standard of 10mg/m<sup>3</sup> of inspirable air should not be exceeded for airborne dust generated from this material.

No official exposure standards have been established for any of 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 until the spray has dried.

**ENGINEERING CONTROLS**

No special requirements. Product is used outdoors.

**PERSONAL PROTECTION**

Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

**FLAMMABILITY**

This product is NON-FLAMMABLE and non-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,
<b>Class:</b>	9		SOLID, N.O.S. (CONTAINS PROFENOFOS)
<b>Packing Group:</b>	III	<b>Additional Information:</b>	FENOXYCARB 25%, MARINE POLLUTANT

### 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 powder 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 powder 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 the smallest volume of water practicable.

#### *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 non-combustible. Extinguish warehouse and factory fires using fine water-spray or foam. Do not allow fire-water to enter drains.

### OTHER INFORMATION

Fenoxycarb technical is practically non-toxic to birds and earthworms. Moderately toxic to fish [and crustacea. Possible (but very rare) adverse effects are known on the brood of honey bees.

**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) 9688 0444
	<b>24 HOURS EMERGENCY CONTACT: 1 800 033 111</b>

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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***Acknowledgments:***

Collated by HerbiGuide. Phone 08 98444064 for more information.