

## SAFETY DATA SHEET

### Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name:</b>	<b>OPTIGARD Ant Bait Gel</b>
<b>Other Names:</b>	<b>Product code: A15236A</b>
<b>Recommended Use:</b>	<b>Insecticide for control of sugar feeding ants in and around buildings</b>
<b>Company Details:</b>	<b>Syngenta Crop Protection Pty Limited ABN 33 002 933 717</b>
<b>Address:</b>	<b>Level 1, 2-4 Lyonpark Road MACQUARIE PARK NSW 2113 AUSTRALIA</b>
<b>Telephone Number:</b>	<b>(02) 8876 8444</b>
<b>Emergency Telephone Number:</b>	<b>24 hours - 1800 033 111</b>

### Section 2: HAZARDS IDENTIFICATION

<b>Hazard Classification:</b>	<b>Not classified as hazardous according to the criteria of NOHSC Australia</b>
<b>Risk Phrases:</b>	—
<b>Safety Phrases:</b>	—

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>SUBSTANCE</b>	
<b>Chemical Identity of Pure Substance:</b>	Thiamethoxam
<b>Synonym:</b>	CGA293343
<b>CAS Number:</b>	153719-23-4

<b>MIXTURE</b>		
<b>Chemical Identity of Ingredients</b>	<b>CAS No</b>	<b>Proportion (% w/w)</b>
Thiamethoxam	153719-23-4	0.01
Other ingredients determined not to be hazardous	-	to 100

## Section 4: FIRST AID MEASURES

<b>Description of Necessary First Aid Measures:</b>	<p>In case of poisoning by any exposure route contact a doctor or Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment.</p> <p><b>Ingestion:</b> If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.</p> <p><b>Eye contact:</b> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.</p> <p><b>Skin contact:</b> Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.</p> <p><b>Inhalation:</b> Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Information Centre immediately.</p>
<b>Poisoning Symptoms:</b>	Poisoning symptoms in laboratory animals were non-specific
<b>Medical Advice:</b>	There is no specific antidote available. Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	<p><i>Extinguishing media - small fires</i> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. DO NOT use direct jet of water.</p> <p><i>Extinguishing media - large fires</i> alcohol-resistant foam or water spray. DO NOT use direct jet of water.</p>
<b>Hazards from Combustion Products:</b>	<p>This product contains combustible organic components that may burn and decompose during a fire producing dense black smoke containing hazardous products of combustion. Combustion products are toxic and /or irritant. Exposure to decomposition products may be a hazard to health.</p>
<b>Special Protective Precautions and Equipment for Fire Fighters:</b>	<p>In the event of fire, wear protective clothing and self-contained breathing apparatus.</p> <p>Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.</p> <p>-</p>

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures:</b>	In case of spillage it is important to take all steps necessary to <ul style="list-style-type: none"> <li>Avoid contamination of waterways</li> </ul>
<b>Methods and Materials for Containment and Clean Up:</b>	<b>Procedure for spill</b> <ol style="list-style-type: none"> <li>Keep all bystanders away</li> <li>When dealing with spills do not eat, drink or smoke</li> <li>Wear goggles, cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and a disposable mask if inhalation is possible</li> <li>Reposition any leaking containers so as to minimise leakage.</li> <li>Dam and absorb spill with an absorbent material (eg sand or soil)</li> <li>Shovel the absorbed material into drums</li> <li>Disposal of the absorbed material will depend upon the extent of the spill             <ul style="list-style-type: none"> <li>For quantities up to 50 L of product bury in a secure landfill site</li> <li>For quantities greater than 50 L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established</li> </ul> </li> <li>Decontaminate spill area with detergent and water, Use a damp cloth and place the cloth in the disposal drum afterwards</li> <li>If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority</li> </ol>

## Section 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Wash hands after use
<b>Conditions for Safe Storage:</b>	Store in the closed, original container in a cool, well ventilated place out of the reach of children. DO NOT store in direct sunlight. Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

<b>National Exposure Standards:</b>	No exposure standards allocated		
<b>Syngenta Exposure Standards:</b>	<i>Component</i>	<i>Exposure limit</i>	<i>Value type</i>
	thiamethoxam	3 mg/m <sup>3</sup>	8h TWA
<b>Biological Limit Values:</b>	No biological limit allocated		
<b>Engineering Controls:</b>	No specific requirements		
<b>Personal Protective Equipment:</b>	Wash hands after use.		

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, colourless gel	<b>Boiling Point/Range:</b>	Not available
<b>Odour:</b>	Odourless	<b>Freezing/Melting Point:</b>	Not applicable
<b>pH:</b>	6.6 at 1% w/v (25°C)	<b>Solubility:</b>	4.1 g/L at 25°C (thiamethoxam)
<b>Vapour Pressure:</b>	$2.66 \times 10^{-9}$ Pa at 20°C (thiamethoxam)	<b>Density:</b>	1.263 g/cm <sup>3</sup> at 20° C
<b>Vapour Density:</b>	Not available		

<b>Flash Point:</b>	Not highly flammable	<b>Explosive Properties:</b>	Not explosive
<b>Upper and Lower Flammable (Explosive) Limits in Air:</b>	Not applicable	<b>Oxidising Properties:</b>	Not oxidising
<b>Ignition Temperature:</b>	Not available	<b>Combustibility:</b>	Not applicable
		<b>Corrosiveness:</b>	Not applicable

## Section 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions of use
<b>Conditions to Avoid:</b>	Not known
<b>Incompatible Materials:</b>	Not known
<b>Hazardous Decomposition Products:</b>	Can decompose at high temperatures forming toxic gases
<b>Hazardous Reactions:</b>	None known. Hazardous polymerization does not occur.

## Section 11: TOXICOLOGICAL INFORMATION

### Health Effects from Likely Routes of Exposure:

<b>Acute:</b>	<b>Oral toxicity:</b>	LD <sub>50</sub> , Rat > 5,000 mg/kg body weight
	<b>Dermal toxicity:</b>	LD <sub>50</sub> , Rat > 5,050 mg/kg body weight
	<b>Inhalation:</b>	LD <sub>50</sub> , Rat > 2.61 mg/L (4 hour)
	<b>Skin irritation:</b>	Rabbit: Practically non-irritating
	<b>Eye irritation:</b>	Rabbit: Minimally irritating
	<b>Sensitisation:</b>	Guinea pig: Not a skin sensitiser in animal tests

**Chronic:** Thiamethoxam: Liver tumours noted in mice that are not relevant to humans. Did not show reproductive toxicity effects in animal experiments. Animal testing did not show any effects on foetal development. Did not show neurotoxicity in animal experiments.

## Section 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

**Toxicity to fish:** *Salmo trutta* (trout)  
LC<sub>50</sub>, 96 h (derived from components) > 100 mg/L

**Toxicity to aquatic invertebrates:** *Daphnia magna* (Water flea)  
EC<sub>50</sub>, 48 h (derived from components) > 100 mg/L

**Toxicity to algae:** *Pseudokirchneriella subcapitata* (green algae)  
E<sub>r</sub>C<sub>50</sub>, 72 h (derived from components) = >100 mg/L

**Persistence and Degradability:** Thiamethoxam is not persistent in soil and water

**Mobility** Thiamethoxam has medium mobility in soil.

**Bioaccumulative Potential:** No potential for bioaccumulation

## Section 13: DISPOSAL CONSIDERATIONS

<b>Disposal Methods and Containers:</b>	Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage.
<b>Special Precautions for Landfill or Incineration:</b>	Not applicable

### Section 14: TRANSPORT INFORMATION

<b>LAND TRANSPORT</b> ADG			
<b>Not a dangerous good in Australia</b>			
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Class:</b>	None allocated	<b>Hazchem Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated		

<b>SEA TRANSPORT</b> IMDG			
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Class:</b>	None allocated	<b>Hazchem Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated	<b>Marine Pollutant:</b>	Not a marine pollutant

<b>AIR TRANSPORT</b> ICAO / IATA			
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Class:</b>	None allocated	<b>Hazchem Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated		

### Section 15: REGULATORY INFORMATION

<b>APVMA Product Number:</b>	63523
<b>Poisons Schedule (SUSDP):</b>	Schedule 5

## Section 16: OTHER INFORMATION

**Date of preparation or last revision:** September 2009

**Source of Data:** The information provided in this SDS is sourced from Syngenta internal studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

**Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions**

**CONTACT POINT:** Regulatory Affairs Manager, Syngenta Crop Protection Pty Limited  
(02) 8876 8444

**24 HOURS EMERGENCY CONTACT: 1800 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 SDS 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.

®Registered trademark of a Syngenta Group Company