

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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

Section 2: HAZARDS IDENTIFICATION

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

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

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

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

Section 4: FIRST AID MEASURES

Description of Necessary First Aid Measures:	<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>Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.</p> <p>Eye contact: 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>Skin contact: 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>Inhalation: 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>
Poisoning Symptoms:	Poisoning symptoms in laboratory animals were non-specific
Medical Advice:	There is no specific antidote available. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	<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>
Hazards from Combustion Products:	<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>
Special Protective Precautions and Equipment for Fire Fighters:	<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

Emergency Procedures:	In case of spillage it is important to take all steps necessary to <ul style="list-style-type: none"> Avoid contamination of waterways
Methods and Materials for Containment and Clean Up:	Procedure for spill <ol style="list-style-type: none"> Keep all bystanders away When dealing with spills do not eat, drink or smoke 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 Reposition any leaking containers so as to minimise leakage. Dam and absorb spill with an absorbent material (eg sand or soil) Shovel the absorbed material into drums Disposal of the absorbed material will depend upon the extent of the spill <ul style="list-style-type: none"> For quantities up to 50 L of product bury in a secure landfill site 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 Decontaminate spill area with detergent and water, Use a damp cloth and place the cloth in the disposal drum afterwards If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Wash hands after use
Conditions for Safe Storage:	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

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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

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

Section 10: STABILITY AND REACTIVITY

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

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:

Acute:	Oral toxicity:	LD ₅₀ , Rat > 5,000 mg/kg body weight
	Dermal toxicity:	LD ₅₀ , Rat > 5,050 mg/kg body weight
	Inhalation:	LD ₅₀ , Rat > 2.61 mg/L (4 hour)
	Skin irritation:	Rabbit: Practically non-irritating
	Eye irritation:	Rabbit: Minimally irritating
	Sensitisation:	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)
LC₅₀, 96 h (derived from components) > 100 mg/L

Toxicity to aquatic invertebrates: *Daphnia magna* (Water flea)
EC₅₀, 48 h (derived from components) > 100 mg/L

Toxicity to algae: *Pseudokirchneriella subcapitata* (green algae)
E_rC₅₀, 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

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

Section 14: TRANSPORT INFORMATION

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

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

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

Section 15: REGULATORY INFORMATION

APVMA Product Number:	63523
Poisons Schedule (SUSDP):	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.