

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 Australia Pty Ltd 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 a hazardous chemical according to the Australian criteria for the classification of chemicals
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>Small fires</i> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. DO NOT use direct jet of water.</p> <p><i>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>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>

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 eye and skin contact • Avoid contamination of waterways
Methods and Materials for Containment and Clean Up:	<p>Procedure for spill</p> <ol style="list-style-type: none"> (1) Keep all bystanders away (2) Wear full length clothing and PVC gloves (3) Reposition any leaking containers so as to minimise further leakage (4) Dam and absorb spill with an absorbent material (eg sand or soil) (5) Shovel the absorbed spill into drums (6) 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 (7) Decontaminate spill area with detergent and water and rinse with the smallest volume of water practicable

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 standard allocated		
	<i>Component</i>	<i>Exposure limit</i>	<i>Value type</i>
Syngenta Exposure Standards:	thiamethoxam	3 mg/m ³	8h TWA
Biological Limit Values:	No biological limits allocated		
Engineering Controls:	No special requirements. Product is used outdoors.		
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 in water:	4.1 g/L at 25°C (thiamethoxam)
Vapour Pressure:	2.66 x 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
Burning number	2	Corrosiveness:	Not corrosive to tin plate, galvanised sheet metal and stainless steel

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	None known
Incompatible Materials:	None known
Hazardous Decomposition Products:	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Hazardous Reactions:	None known

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:		
Acute:	Oral toxicity:	LOW TOXICITY Tests on rats indicate this product has a low toxicity following single doses of undiluted product. (LD ₅₀ > 5,000 mg/kg)
	Dermal toxicity:	LOW TOXICITY Tests on rats indicate this product has a low toxicity following skin contact with undiluted product. (LD ₅₀ > 5,050 mg/kg)
	Inhalation:	LOW TOXICITY Tests on rats indicate this product is not harmful due to inhalation active ingredient. LC ₅₀ (4h) > 3,720 mg/m ³ air
	Skin irritation:	PRACTICALLY NON IRRITANT
	Eye irritation:	SLIGHT IRRITANT
	Sensitisation:	NOT A SENSITISER
Chronic:	Thiamethoxam technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence was obtained of mutagenic, carcinogenic, teratogenic neurotoxic or reproductive effects.	

Section 12: ECOLOGICAL INFORMATION

This information is based on the active ingredient, thiamethoxam.

Ecotoxicity:	<i>Toxicity to fish:</i>	Practically non-toxic to fish <i>Salmo trutta</i> (trout): LC ₅₀ >100 mg/L, 96 h
	<i>Toxicity to daphnia and other aquatic invertebrates:</i>	Practically non-toxic to aquatic invertebrates <i>Daphnia magna</i> (Water flea): EC ₅₀ >100 mg/L, 48 h
	<i>Toxicity to algae:</i>	Practically non-toxic to algae <i>Pseudokirchneriella subcapitata</i> (green algae): E _r C ₅₀ >100 mg/L, 72 h
Persistence and Degradability:	Thiamethoxam is not persistent in soil and water	
Mobility	Thiamethoxam has medium mobility in soil.	
Bioaccumulative Potential:	Thiamethoxam has low 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	Not a dangerous good		
UN Number:	None allocated	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	None allocated	Packing Group:	None allocated
Class:	None allocated	Marine Pollutant:	

AIR TRANSPORT IATA - DGR	Not a dangerous good		
UN Number:	None allocated	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	None allocated	Packing Group:	None allocated
Class:	None allocated		

Section 15: REGULATORY INFORMATION

APVMA Product Number: 63523

Poisons Schedule (SUSDP): 5

Section 16: OTHER INFORMATION

Date of preparation or last revision: March 2013

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 Manager, Syngenta Australia Pty Ltd
(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.

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.