SAFETY DATA SHEET

Section 1: Identification: Product identifier and chemical identity

Product Identifier:	**OPTIGARD® Ant Bait Gel**
Other Means of Identification:	**Proper shipping name:** Pesticide Gel Toxic, N.O.S. (thiamethoxam) **Applicable only for marine and air transport** **Product code:** A15236A
Recommended Use:	Insecticide for control of sugar feeding ants in and around buildings
Details of manufacturer or importer	**Syngenta Australia Pty Ltd** ABN 33 002 933 717
Address:	**Level 1, 2-4 Lyonpark Road** **MACQUARIE PARK NSW 2113** **AUSTRALIA**
Website:	**syngenta.com.au**
Phone Number:	**(02) 8876 8444**
Emergency Phone Number:	**24 hours - 1800 033 111**

Section 2: Hazards identification

Classification of the Hazardous Chemical:	Not classified as hazardous under GHS criteria.
Signal Word:	-
Hazard Statement(s):	-
Precautionary Statement(s):	-
Hazard Symbols:	-

Section 3: Composition and 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
Non-hazardous ingredients	-	to 100

Section 4: First aid measures

Description of Necessary First Aid Measures:	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.	
	Ingestion:	If swallowed, seek medical advice immediately and show this container or label. DO NOT induce vomiting.
	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.
	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.
	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.
Symptoms Caused by Exposure:	Poisoning symptoms in laboratory animals were non-specific.	
Medical Attention and Special Treatment:	There is no specific antidote available. Treat symptomatically.	

Section 5: Fire fighting measures

Suitable Extinguishing Equipment:	**Small fires:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. DO NOT use direct jet of water. **Large fires:** Use alcohol-resistant foam or water spray. DO NOT use direct jet of water.
Specific Hazards Arising from the Chemical:	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.
Special Protective Equipment and Precautions for Fire Fighters:	Wear protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:	In case of spillage it is important to take all steps necessary to avoid eye and skin contact
Environmental precautions:	DO NOT flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and Materials for Containment and Clean Up:	**Procedure for spill** (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 • 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, Including any Incompatibilities:	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 and personal protection

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

	Component	Exposure limit	Value type
National Exposure Standards:	No exposure standard allocated		
Syngenta Exposure Standards:	thiamethoxam	3 mg/m^3	8h TWA
Biological Limit Values:	No biological limits allocated		
Engineering Controls:	Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.		
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:	No information available	**Explosive Properties:**	Not explosive
Upper and Lower Flammable (Explosive) Limits in Air:	Not classified as a flammability hazard	**Oxidising Properties:**	Not an oxidiser
		Combustibility:	No information available
Ignition Temperature:	No information available	**Corrosiveness:**	No information available

Section 10: Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	No decomposition if used as directed.
Incompatible Materials:	None known
Hazardous Decomposition Products:	Combustion or thermal decomposition will evolve toxic and irritant vapours.

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:	**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

Ecotoxicity	**Toxicity to fish:**	**Practically non-toxic to fish** *Oncorhynchus mykiss* (rainbow trout) LC_{50} >100 mg/L, 96 h
	Toxicity to daphnia and other aquatic invertebrates:	**Practically non-toxic to Daphnia** *Daphnia magna* (Water flea): EC_{50} >100 mg/L, 48 h

	Toxicity to algae:	**Practically non-toxic to algae** *Pseudokirchneriella subcapitata* (green algae): E_rC_{50} >100 mg/L, 72 h
	Toxicity to soil dwelling organisms:	**Practically non-toxic to earthworms** *Eisenia foetida* (earthworm): LC_{50} >1000 mg/kg, 14 day
Persistence and Degradability:	Thiamethoxam is not persistent in soil and water	
Mobility in Soil:	Thiamethoxam has medium mobility in soil.	
Bioaccumulative Potential:	Thiamethoxam has low potential for bioaccumulation	

Section 13: Disposal considerations

Disposal Methods:	Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage
Special Precautions for Incineration or Landfill:	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
Transport Hazard Class:	None allocated	**Hazchem or Emergency Action 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
Transport Hazard Class:	None allocated	**Environmental hazards for Transport Purposes:**	Not a 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
Transport Hazard Class:	None allocated		

Section 15: Regulatory information

APVMA Product Number:	63523
Poisons Schedule (SUSMP):	5

Section 16: Any other relevant information

Date of preparation or last revision: November 2016

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 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.