

## SAFETY DATA SHEET

### Section 1: Identification: Product identifier and chemical identity

<b>Product Identifier:</b>	<b>BRUNNINGS TOMATO INSECT &amp; FUNGUS SPRAY</b>
<b>Other Means of Identification:</b>	<b>Product code:</b> A16441A
<b>Recommended Use:</b>	Home garden acaracide/insecticide/fungicide
<b>Details of manufacturer or importer</b>	<b>Syngenta Australia Pty Ltd</b> ABN 33 002 933 717
<b>Address:</b>	<b>Level 1, 2-4 Lyonpark Road</b> <b>MACQUARIE PARK NSW 2113</b> <b>AUSTRALIA</b>
<b>Website:</b>	syngenta.com.au
<b>Phone Number:</b>	(02) 8014 5200
<b>Emergency Phone Number:</b>	24 hours - 1800 033 111

### Section 2: Hazards identification

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

### Section 3: Composition and information on ingredients

SUBSTANCE			
<b>Chemical Identity of Pure Substance:</b>	Abamectin	Difenoconazole	Thiamethoxam
<b>Synonym:</b>	MK 933, avermectin	CGA 169374	CGA 293343
<b>CAS Number:</b>	71751-41-2	119446-68-3	153719-23-4

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/w)
Difenoconazole	119446-68-3	0.0167
Abamectin	71751-41-2	0.015
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 doctor or Poisons Information Centre immediately.</p>
<b>Symptoms Caused by Exposure:</b>	Poisoning symptoms in laboratory animals were non-specific
<b>Medical Attention and Special Treatment:</b>	There is no specific antidote available. Treat symptomatically.

## Section 5: Fire fighting measures

<b>Suitable Extinguishing Equipment:</b>	<p><b>Small fires:</b> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide</p> <p><b>Large fires:</b> Alcohol-resistant foam or water spray. DO NOT use a solid water stream as it may scatter and spread fire.</p>
<b>Specific Hazards Arising from the Chemical:</b>	<p>As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health.</p>
<b>Special Protective Equipment and Precautions for Fire Fighters:</b>	Wear full protective clothing and self-contained breathing apparatus

## Section 6: Accidental release measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	<p>In case of spillage it is important to take all steps necessary to</p> <ul style="list-style-type: none"> <li>• Avoid eye and skin contact</li> <li>• Avoid contamination of waterways <ul style="list-style-type: none"> <li>• Wear full length clothing and PVC gloves</li> <li>• Keep all bystanders away</li> </ul> </li> </ul>
<b>Environmental precautions:</b>	<p>Prevent further leakage or spillage if safe to do so. DO NOT flush into surface water or sanitary sewer system.</p>
<b>Methods and Materials for Containment and Clean Up:</b>	<p><b>Procedure for spill</b></p> <ol style="list-style-type: none"> <li>(1) Keep all bystanders away</li> <li>(2) Wear full length clothing and PVC gloves</li> <li>(3) Reposition any leaking containers so as to minimise further leakage</li> </ol>

- (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

<b>Precautions for Safe Handling:</b>	Avoid contact with eyes and skin. When using the product wear rubber gloves. Wash hands after use. After each day's use, wash gloves.
<b>Conditions for Safe Storage, Including any Incompatibilities:</b>	Store in the closed, original container in a cool, dry place out of the reach of children. DO NOT store in direct sunlight.

## Section 8: Exposure controls and personal protection

### ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

<b>National Exposure Standards:</b>	No exposure standard allocated		
<b>Syngenta Exposure Standards:</b>	<b>Component</b>	<b>Exposure limit</b>	<b>Value type</b>
	Abamectin	0.02 mg/m <sup>3</sup>	8 h TWA
	Difenoconazole	8 mg/m <sup>3</sup>	8 h TWA
	Thiamethoxam	3 mg/m <sup>3</sup>	8 h TWA
<b>Biological Limit Values:</b>	No biological limit allocated		
<b>Engineering Controls:</b>	No special requirements. Product is used outdoors.		
<b>Personal Protective Equipment:</b>	When using the product wear rubber gloves. After each day's use, wash gloves.		

## Section 9: Physical and chemical properties

<b>Appearance:</b>	Clear liquid	<b>Boiling Point/Range:</b>	Approximately 100°C
<b>Odour:</b>	Slightly pungent	<b>Freezing/Melting Point:</b>	Not known
<b>pH:</b>	5.85–6.2 at 1% w/v	<b>Solubility:</b>	This formulation contains >99% water
<b>Vapour Pressure:</b>	Not available	<b>Specific Gravity or Density:</b>	0.997–0.999 g/cm <sup>3</sup>
<b>Vapour Density:</b>	Not available		
<b>Flash Point:</b>	Not determined	<b>Explosive Properties:</b>	Not considered explosive
<b>Upper and Lower Flammable (Explosive) Limits in Air:</b>	Not considered to be flammable	<b>Oxidising Properties:</b>	Not considered oxidising
<b>Ignition Temperature:</b>	Does not ignite	<b>Combustibility:</b>	Not a combustible liquid
		<b>Corrosiveness:</b>	Not considered corrosive

## Section 10: Stability and reactivity

<b>Reactivity:</b>	None known
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerisation does not occur.
<b>Conditions to Avoid:</b>	Avoid contact with strong oxidising materials.
<b>Incompatible Materials:</b>	None known
<b>Hazardous Decomposition Products:</b>	Combustion or thermal decomposition will evolve toxic and irritant vapours.

## Section 11: Toxicological information

Health Effects from Likely Routes of Exposure:		
<b>Acute</b>	<b>Oral toxicity:</b>	<b>LOW TOXICITY</b> Tests on rats indicate this product has a low toxicity following single doses of undiluted product LD <sub>50</sub> = >2,000 mg/kg
	<b>Dermal toxicity:</b>	<b>LOW TOXICITY</b> Tests on rats indicate this product has a low toxicity following skin contact with undiluted product LD <sub>50</sub> = >2,000 mg/kg
	<b>Inhalation:</b>	<b>LOW TOXICITY</b> Tests on rats indicate this product is not harmful due to inhalation of a similar formulation LD <sub>50</sub> (4 h) = >5 mg/L
	<b>Skin irritation:</b>	<b>NON IRRITANT</b>
	<b>Eye irritation:</b>	<b>NON IRRITANT</b>
	<b>Sensitisation:</b>	<b>NOT A SENSITISER</b>
<b>Chronic</b>	<b>Thiamethoxam</b>	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.
	<b>Difenoconazole</b>	Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.
	<b>Abamectin</b>	Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. Reproductive toxicity noted in rats that is not relevant to humans. Central nervous system effects in chronic/subchronic animal tests.

## Section 12: Ecological information

<b>Ecotoxicity</b>	<b>Toxicity to fish:</b>	<b>Practically non-toxic to fish</b> <i>Oncorhynchus mykiss</i> (Rainbow Trout): LC <sub>50</sub> = >100 mg/L, 96 h (derived from components)
	<b>Toxicity to daphnia and other aquatic invertebrates:</b>	<b>Slightly toxic to Daphnia</b> <i>Daphnia magna</i> (Water Flea): EC <sub>50</sub> = 23 mg/L, 48 h (derived from components)
	<b>Toxicity to algae:</b>	<b>Practically non-toxic to algae</b> <i>Desmodesmus subspicatus</i> (green algae): E <sub>b</sub> C <sub>50</sub> = >100 mg/L, 72 h (derived from components)

<b>Persistence and Degradability:</b>	Abamectin is not readily biodegradable Abamectin is not persistent in soil or water Difenoconazole is not persistent in soil or water Thiamethoxam is not persistent in soil or water.
<b>Mobility in Soil:</b>	Abamectin has slight mobility in soil Difenoconazole has low mobility in soil Thiamethoxam has medium mobility in soil
<b>Bioaccumulative Potential:</b>	Abamectin does not bioaccumulate Difenoconazole has high potential to bioaccumulate Thiamethoxam has low potential for bioaccumulation

### Section 13: Disposal considerations

<b>Disposal Methods:</b>	DO NOT contaminate drains, streams, rivers or waterways with the chemical or used container. Dispose of empty container by wrapping in paper, placing in plastic bag and putting in garbage.
<b>Special Precautions for Incineration or Landfill:</b>	Not applicable

### Section 14: Transport information

<b>LAND TRANSPORT</b> ADG	<b>Not a dangerous good</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>Transport Hazard Class:</b>	None allocated	<b>Hazchem or Emergency Action Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated		

<b>SEA TRANSPORT</b> IMDG	<b>Not a dangerous good</b>		
<b>UN Number:</b>	None allocated	<b>Subsidiary Risk:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>Transport Hazard Class:</b>	None allocated	<b>Environmental hazards for Transport Purposes:</b>	Not a marine pollutant

<b>AIR TRANSPORT</b> IATA - DGR			
<b>UN Number:</b>	None allocated	<b>Subsidiary Risk:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>Transport Hazard Class:</b>	None allocated		

## Section 15: Regulatory information

**APVMA Product Number:** 70237

**Poisons Schedule (SUSMP):** 6

## Section 16: Any other relevant information

**Date of preparation or last revision:** 21 October 2021

**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) 8014 5200

**24 HOURS EMERGENCY CONTACT: 1800 033 111**

This 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.