

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	SUPRACIDE 400 EC Insecticide
Other Names:	Proper shipping name: Organophosphorus Pesticide, Liquid, Toxic, N.O.S. (Methidathion) Product code: A3389AM
Recommended Use:	Insecticide for the control of certain insect pests in various crops
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:	Classified as a hazardous chemical according to the Australian criteria for the classification of chemicals
Risk Phrases:	R25 Toxic if swallowed. R26 Very toxic by inhalation. R21 Harmful in contact with skin R38 Irritating to skin.
Safety Phrases:	—

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE		
Chemical Identity of Pure Substance:	Methidathion	
Synonym:	GS13005	
CAS Number:	950-37-8	

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/v)
Methidathion	50-37-8	40
Dipropylene glycol dibenzoate	27138-31-4	30 - <60
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 get to a doctor or hospital quickly. Phone 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: Remove 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: Medical Advice:	<p>The symptoms are of cholinesterase inhibition</p> <p>Call Syngenta at the emergency number shown in this document, a poison control center or doctor immediately for treatment advice. Consider taking venous blood for determination of blood cholinesterase activity (use heparin tube). Administer atropine sulfate, either by intramuscular or intravenously, dependant on severity of poisoning. Specific antidotes are oximes (e.g. Pralidoxime) or Toxogonin.</p>

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 extinguisher. DO NOT use direct jet of water.</p> <p><i>Extinguishing media - large fires</i> Use 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. Exposure to decomposition products may be a hazard to health.</p>
Special Protective Precautions and Equipment for Fire Fighters:	<p>Wear full protective clothing and self-contained breathing apparatus.</p>
Hazchem Code:	<p>2X</p>

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	<p>In case of spillage it is important to take all steps necessary to</p> <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

	<p>(3) Reposition any leaking containers so as to minimise further leakage</p> <p>(4) Dam and absorb spill with an absorbent material (eg sand or soil)</p> <p>(5) Shovel the absorbed spill into drums</p> <p>(6) Disposal of the absorbed material will depend upon the extent of the spill</p> <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 <p>(7) Decontaminate the spill area with hydrated lime scattered over the spill prior to rinsing off with water. Rinse with the smallest volume of water practicable</p>
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Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	<p>If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone eg Australia 131126; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed. When opening container, preparing spray and using the prepared spray wear:</p> <ul style="list-style-type: none"> • protective waterproof clothing • elbow length PVC gloves • full facepiece respirator with combined dust and gas cartridge (canister) <p>If product or spray on skin wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each days use wash gloves, respirator (if rubber wash with detergent and warm water) and contaminated clothing.</p>
Conditions for Safe Storage:	<p>Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.</p>

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

	<i>Component</i>	<i>Exposure limit</i>	<i>Value type</i>
National Exposure Standards:	No exposure standard allocated		
Syngenta Exposure Standards:	Methidathion	0.3 mg/m ³	TWA
Biological Limit Values:	No biological limits allocated		
Engineering Controls:	No special requirements. Product is used outdoors.		

Personal Protective Equipment: If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone eg Australia 131126; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed. When opening container, preparing spray and using the prepared spray wear:

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Hazy yellow viscous liquid	Boiling Point/Range:	~230 °C
Odour:	Rotting egg odour	Freezing/Melting Point:	Not available
pH:	3 - 7	Solubility:	Miscible in water
Vapour Pressure:	Not available	Specific Gravity:	1.203 g/cm ³ at 20°C
Vapour Density:	Not available		

Flash Point:	>70°C (closed cup)	Explosive Properties:	Not explosive
Upper and Lower Flammable (Explosive) Limits in Air:	Not available	Oxidising Properties:	Not oxidising
Ignition Temperature:	Not available	Combustibility:	Combustible C1
		Corrosiveness:	Non corrosive

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under standard 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. Hazardous polymerization does not occur.

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:													
Acute:	<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; padding: 5px;">Oral toxicity:</td> <td style="padding: 5px;">TOXIC Tests on rats indicate this product is toxic following single doses of a similar formulation. (LD₅₀ = >50 - <100 mg/kg)</td> </tr> <tr> <td style="vertical-align: top; padding: 5px;">Dermal toxicity:</td> <td style="padding: 5px;">HARMFUL Tests on rats indicate this product a harmful following skin contact with a similar formulation. (LD₅₀ = >2000 mg/kg). Note: The active ingredient, methidathion, can be rapidly absorbed through the skin. Poisoning may occur due to cholinesterase inhibition.</td> </tr> <tr> <td style="vertical-align: top; padding: 5px;">Inhalation:</td> <td style="padding: 5px;">VERY TOXIC Tests on rats indicate this product is very toxic due to inhalation of similar formulation. (LC₅₀ (4h) = 0.218 mg/L air)</td> </tr> <tr> <td style="vertical-align: top; padding: 5px;">Skin irritation:</td> <td style="padding: 5px;">MODERATE IRRITANT</td> </tr> <tr> <td style="vertical-align: top; padding: 5px;">Eye irritation:</td> <td style="padding: 5px;">SLIGHT IRRITANT</td> </tr> <tr> <td style="vertical-align: top; padding: 5px;">Sensitisation:</td> <td style="padding: 5px;">NOT A SENSITISER</td> </tr> </table>	Oral toxicity:	TOXIC Tests on rats indicate this product is toxic following single doses of a similar formulation. (LD ₅₀ = >50 - <100 mg/kg)	Dermal toxicity:	HARMFUL Tests on rats indicate this product a harmful following skin contact with a similar formulation. (LD ₅₀ = >2000 mg/kg). Note: The active ingredient, methidathion, can be rapidly absorbed through the skin. Poisoning may occur due to cholinesterase inhibition.	Inhalation:	VERY TOXIC Tests on rats indicate this product is very toxic due to inhalation of similar formulation. (LC ₅₀ (4h) = 0.218 mg/L air)	Skin irritation:	MODERATE IRRITANT	Eye irritation:	SLIGHT IRRITANT	Sensitisation:	NOT A SENSITISER
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Sensitisation:	NOT A SENSITISER												
Chronic:	Methidathion technical has been extensively tested on laboratory mammals and in test tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects was obtained. Chronic oral exposure to high levels of methidathion technical has been shown to result in hepatotoxic (i.e. liver toxic) effects in rats, mice, rabbits and dogs. In mice, prolonged administration of high doses has produced hepatic tumours. The relevance of these findings to humans is heavily doubted. Repeated minor exposure may cause a cumulative poisoning effect due to cholinesterase inhibition. Cholinesterase levels will return to normal a few weeks after exposure is stopped												

Section 12: ECOLOGICAL INFORMATION

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Persistence and Degradability:	Methidathion is not persistent in water or soil.										
Mobility	Methidathion has low mobility in soil										
Environmental Fate (Exposure):	Methidathion is incorporated into organic molecules										
Bioaccumulative Potential:	Methidathion has medium potential to bioaccumulate										

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt
Special Precautions for Landfill or Incineration:	Not applicable

Section 14: TRANSPORT INFORMATION

LAND TRANSPORT ADG			
UN Number:	3018	Packing Group:	III
UN Proper Shipping Name:	Organophosphorus Pesticide, Liquid, Toxic N.O.S. (Methidathion)	Special Precautions for User:	None allocated
Class:	6	Hazchem Code:	2X
Subsidiary Risk:	None allocated		

SEA TRANSPORT IMDG			
UN Number:	3018	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	Organophosphorus Pesticide, Liquid, Toxic N.O.S. (Methidathion)	Packing Group:	III
Class:	6	Marine Pollutant:	Yes

AIR TRANSPORT IATA - DGR			
UN Number:	3018	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	Organophosphorus Pesticide, Liquid, Toxic N.O.S. (Methidathion)	Packing Group:	III
Class:	6		

Section 15: REGULATORY INFORMATION

APVMA Product Number:	33041
Poisons Schedule (SUSDP):	6

Section 16: OTHER INFORMATION

Date of preparation or last revision: September 2011

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.

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