

Infosafe No™ 3NUCA	Issue Date : April 2013	ISSUED by NUFARMNZ
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Product Name **SUMISCLEX® 500SC**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name	SUMISCLEX® 500SC
Product Code	03026
Product Use	A dicarboximide fungicide for the control of sclerotinia, botrytis, brown rot, early blight (target spot) and stemphylium leaf spot, in a range of crops.
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Emergency Tel.	0800 651 911
Telephone Number/Fax	Tel: 0-9-270 4150 Fax: 0-9-270 4159
Product Type	Fungicide
Email	info@nz.nufarm.com
Other Information	This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	Liquid		
Characterization			
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Procymidone	32809-16-8	500 g/L
	Propylene glycol	57-55-0	1-10 %
	Ingredients determined to be non-hazardous	-	balance

3. HAZARDS IDENTIFICATION

Reproductive Toxicity	Procymidone alters reproductive development in male rats. Warning: Procymidone causes birth defects in laboratory animals. Women of childbearing age should avoid contact with procymidone.
Chronic Effects	Evidence from animal tests indicate that repeated or long-term exposure could result in effects on the liver and reproductive system.
Inhalation	Inhalation of mists or aerosols may harmful and may also produce respiratory irritation.
Ingestion	No adverse effects expected but large amounts may cause nausea and vomiting.
Skin	Contact with skin may cause irritation.
Eye	May irritate eyes.
Other Information	6.8B reproductive or developmental toxicant, 9.1B aquatic toxicant, TOXICITY Warning - may cause reproductive/development damage from repeated oral exposure. ECOTOXIC Toxic to aquatic organisms with long-lasting effects.

4. FIRST AID MEASURES

	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water.



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Eye	If a large area is affected seek medical assistance. Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance. Remove contact lenses, if present and easy to do.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Choose extinguishing media to suit the burning material. Water fog, foam, carbon dioxide or dry chemical.
Specific Methods	Keep up wind. Do not allow washings to reach sewage or effluent systems.
Specific Hazards	Considered low risk due to water content, however upon evaporation of water the product is combustible.
Protective Equipment	Full protective clothing and self-contained breathing apparatus.
Flash Point	Not combustible
Other Information	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. HANDLING AND STORAGE

Handling	Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: Not applicable TRACKING: Is not required RECORD KEEPING: Not applicable
Storage	Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 1,000L of SUMISCLEX 500SC require secondary containment and are subject to signage, and more than 1,000L require emergency response plans.
Packaging	ECOTOXIC
Other Information	Always read the label and any attached leaflet before use. Aggregate Storage Volume Thresholds: When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product. WES TWA for propylene glycol = 150ppm and 10mg/m ³
Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear safety goggles, impervious gloves, waterproof hat, cotton overalls buttoned to the neck and wrist, and boots.
Eng. Controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Hygiene Measures	Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Product Name **SUMISCLEX® 500SC**

Appearance	White liquid
Boiling Point	100°C (water)
Solubility in Water	Negligible at 25°C
Specific Gravity (H2O=1)	1.16g/mL
pH Value	8
Flash Point	Not combustible
Other Information	(SC) Suspension Concentrate

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of handling and storage.
Hazardous Polymerization	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Inhalation	Inhalation of mists or aerosols may harmful and may also produce respiratory irritation.
Ingestion	No adverse effects expected but large amounts may cause nausea and vomiting.
Skin	Contact with skin may cause irritation.
Eye	May irritate eyes.
Chronic Effects	Evidence from animal tests indicate that repeated or long-term exposure could result in effects on the liver and reproductive system.
Reproductive Toxicity	Procymidone alters reproductive development in male rats. Warning: Procymidone causes birth defects in laboratory animals. Women of childbearing age should avoid contact with procymidone.
Acute Toxicity - Oral	LD50 (male rat) 6,800 mg/kg for procymidone
Acute Toxicity - Dermal	LD50 (rat) >2,500 mg/kg for procymidone
Eye Irritation	Non irritant (rabbit)
Skin Sensitisation	Not a skin sensitizer.
Subchronic/Chronic Toxicity	Studies have shown that repeated high doses produce adverse effects on the liver and testes causing reproductive toxicity in males. The effect on the testes is considered to be hormonal. The no effect level is 300 ppm (rat) and 30 ppm (mouse).
Other Information	The Australian Acceptable Daily Intake (ADI) for procymidone for a human is 0.03 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 2.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', December 2012).

12. ECOLOGICAL INFORMATION

Basis for Assessment	Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.
Persistence / Degradability	Not rapidly degradable. Persists in soil for c. 4-12 weeks.
Bioaccumulation	Procymidone has a low potential for bioaccumulation and has moderate mobility in soil.
Acute Toxicity - Fish	LC50 (96 hr) rainbow trout 7.2mg/L for procymidone
Acute Toxicity - Daphnia	EC50 (48h) daphnia >4.2mg/L for procymidone
Acute Toxicity - Algae	LC50 (96h) Scenedesmus subspicatus 4.7mg/L for procymidone



Material Safety Data Sheet

infosafe
CS: 1.7.2

Page: 4 of 4

Infosafe No™ 3NUCA Issue Date : April 2013 ISSUED by NUFARMNZ

Product Name **SUMISCLEX® 500SC**

Acute Toxicity - Other Organisms Not toxic to bees.
LD50 (48h) Bees contact > 100µg/bee for procymidone
LC50 (14d) Earthworms >1,000mg/kg dry soil for procymidone

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of product only by using according to the label, or at an approved landfill.
Container Disposal Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

14. TRANSPORT INFORMATION

It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

U.N. Number 3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (procymidone, 50%)

DG Class 9

Hazchem Code 2X

Packaging Method -

Packing Group III

EPG Number -

IERG Number 47

IMO Marine Pollutant Yes. Environmentally Hazardous Substance mark required.

IMDG EMS F-A, S-F

Other Information Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

15. REGULATORY INFORMATION

Packaging & Labelling ECOTOXIC

Hazard Rating Systems NFPA/HMIS: 1-1-0

Hazard Category ECOTOXIC

National Legislation Registered pursuant to the ACVM Act 1997, No. P5940
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to the HSNO Act 1996, Approval Code HSR000488
See www.epa.govt.nz for approval controls.

UK Legislation info@nz.nufarm.com

16. OTHER INFORMATION

Contact Person/Point IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE
24Hr Tollfree Emergency No: 0800 651 911
24Hr Emergency No: National Poisons Centre Phone: 0800 764 766

SDS History April 2007

Revisions 5 yearly review carried out. Various changes and updates made to document.

Highlighted Hazard Category ECOTOXIC

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