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| Infosafe No™ 3NUCA | Issue Date : May 2018 | ISSUED by NUFARMNZ |
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 Product Name **SUMISCLEX® 500SC**

1. Identification

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| GHS Product Identifier | SUMISCLEX® 500SC |
| Product Code | 03026 |
| Product Type | Fungicide |
| Company Name | Nufarm NZ |
| Address | 6 Manu Street, Otahuhu Auckland 2024 New Zealand |
| Telephone/Fax Number | Tel: 0-9-270 4150 |
| Emergency phone number | 0800 651 911 |
| Recommended use of the chemical and restrictions on 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. |
| 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. Hazard Identification

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| 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. |
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3. Composition/information on ingredients

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| Chemical Characterization | Liquid | | |
| 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 |

4. First-aid measures

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| 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. If a large area is affected seek medical assistance. |
| Eye contact | 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

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| Suitable extinguishing media | Choose extinguishing media to suit the burning material. Water fog, foam, carbon dioxide or dry chemical. |
| Special Protective Equipment for fire fighters | Full protective clothing and self-contained breathing apparatus. |
| Specific Methods | Keep up wind. Do not allow washings to reach sewage or effluent systems. |
| Specific hazards arising from the chemical | Considered low risk due to water content, however upon evaporation of water the product is combustible. |
| Hazchem Code | 2X |
| Other Information | Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable |

6. Accidental release measures

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| 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

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| Precautions for Safe Handling | Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: Not applicable TRACKING: Is not required RECORD KEEPING: Not applicable |
| Conditions for safe storage, including any incompatibilities | 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. |
| 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

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| Occupational exposure limit values | 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 |
| Appropriate engineering controls | Handle in well ventilated areas, generally natural ventilation is adequate. |
| 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. |
| 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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| Form | Liquid |
| Appearance | White liquid |
| Boiling Point | 100°C (water) |
| Solubility in Water | Negligible at 25°C |
| Specific Gravity | 1.16g/mL |
| pH | 8 |

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Flash Point Not combustible
Other Information (SC) Suspension Concentrate

10. Stability and reactivity

Chemical 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.

Acute Toxicity - Oral LD50 (male rat) 6,800 mg/kg for procymidone

Acute Toxicity - Dermal LD50 (rat) >2,500 mg/kg for procymidone

Ingestion No adverse effects expected but large amounts may cause nausea and vomiting.

Inhalation Inhalation of mists or aerosols may harmful and may also produce respiratory irritation.

Skin Contact with skin may cause irritation.

Eye May irritate eyes.

Skin Sensitisation Not a skin sensitizer.

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.

Serious eye damage/irritation Non irritant (rabbit)

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 2014).

12. Ecological information

Persistence and degradability Not rapidly degradable. Persists in soil for c. 4-12 weeks.

Bioaccumulative Potential Procymidone has a low potential for bioaccumulation and has moderate mobility in soil.

Basis for Assessment Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.

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

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.

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14. Transport information

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| Transport Information | It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs. |
| U.N. Number | 3082 |
| UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (procymidone, 50%) |
| Transport hazard class(es) | 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

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| National and or International Regulatory Information | 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. |
| Packaging & Labelling | ECOTOXIC |
| Hazard Rating Systems | NFPA/HMIS: 1-1-0 |
| Hazard Category | ECOTOXIC |

16. Other Information

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| Date of preparation or last revision of SDS | April 2013 |
| 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 |
| Revisions Highlighted | 5 yearly review carried out. Various changes and updates made to document. ...End Of MSDS... |

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