

Infosafe No™ 3NUY0	Issue Date : June 2017	ISSUED by NUFARMNZ
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Product Name **INTUITY® FUNGICIDE**

## 1. Identification

**GHS Product Identifier** INTUITY® FUNGICIDE

**Product Code** 02777

**Product Type** Fungicide

**Company Name** Nufarm NZ

**Address** 6 Manu Street, Otahuhu  
Auckland 2024 New Zealand

**Telephone/Fax Number** Tel: 0-9-270 4150

Fax: 0-9-270 4159

**Emergency phone number** 0800 651 911

**Email** info@nufarm.com

**Recommended use of the chemical and restrictions on use** A fungicide for the control of white rot and downy mildew in onions.

**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

**Other Information** 9.1B aquatic toxicant  
ECOTOXIC  
Toxic to aquatic organisms with long lasting effects.

## 3. Composition/information on ingredients

**Chemical Characterization** Liquid

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Others	N/A	65-70 %
	Mandestrobin	173662-97-0	25 %
	Propylene glycol	57-55-6	5-10 %

## 4. First-aid measures

**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.

Remove contact lenses, if present and easy to do.

Seek medical assistance even if there are no immediate symptoms.

**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

**Suitable extinguishing media** Water fog, foam, carbon dioxide or dry chemical.

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<b>Hazards from Combustion Products</b>	Harmful gases or vapours may be released by thermal decomposition or combustion of product.
<b>Special Protective Equipment for fire fighters</b>	Full protective clothing and self-contained breathing apparatus.
<b>Specific Methods</b>	Keep up wind. Do not allow washings to reach sewage or effluent systems. Keep containers cool with water spray.
<b>Hazchem Code</b>	2Z
<b>Other Information</b>	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

## 6. Accidental release measures

<b>Spills &amp; Disposal</b>	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. Wash area with water and detergent and absorb with inert material. Dispose of waste safely in an approved landfill.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	Prevent from entering drains, waterways or sewers.

## 7. Handling and storage

<b>Precautions for Safe Handling</b>	Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: This product must be under the control of an approved handler if applied in a wide dispersive manner, or used by a commercial contractor. TRACKING: Is not required RECORD KEEPING: Not applicable
<b>Conditions for safe storage, including any incompatibilities</b>	This product must not be applied onto or into water. 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.
<b>Other Information</b>	Stores containing 1000L of INTUITY FUNGICIDE require secondary containment and are subject to signage, and more than 1000L require emergency response plans. 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

<b>Occupational exposure limit values</b>	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
<b>Other Exposure Information</b>	Acceptable Daily Exposure (ADE)= 0.19mg/kg bw/day Potential Daily Exposure (PDE food)= 0.133mg/kg bw/day (PDE drinking water)= 0.038mg/kg bw/day (PDE other)= 0.019mg/kg bw/day
<b>Appropriate engineering controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate.
<b>Personal Protective Equipment</b>	When opening the container, preparing spray and using the prepared spray wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.
<b>Hygiene Measures</b>	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. Wash splashes of concentrate from skin immediately.

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## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	White opaque liquid.
<b>Odour</b>	Odourless
<b>Solubility in Water</b>	Disperses in water.
<b>Specific Gravity</b>	1.05
<b>pH</b>	6-8 (neat)
<b>Flammability</b>	Non Flammable
<b>Other Information</b>	(SC) Suspension Concentrate

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal conditions of handling and storage.
<b>Conditions to Avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Incompatible Materials</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous Polymerization</b>	Hazardous polymerisation will not occur.

## 11. Toxicological Information

<b>Toxicology Information</b>	No specific toxicological data is available for this product. Data below is for constituents.
<b>Acute Toxicity - Oral</b>	LD50 (rat) >2,000 mg/kg for mandestrobin.
<b>Acute Toxicity - Dermal</b>	LD50 (rat) >2,000mg/kg for mandestrobin
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) >4964 mg/m <sup>3</sup> for mandestrobin.
<b>Skin Sensitisation</b>	Not a skin sensitizer
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.

## 12. Ecological information

<b>Persistence and degradability</b>	The degradability of the product is not known.
<b>Bioaccumulative Potential</b>	The product is not bioaccumulating.
<b>Basis for Assessment</b>	Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.
<b>Acute Toxicity - Daphnia</b>	EC50 (48hr) for Daphnia is 1.2 mg/L for mandestrobin.
<b>Acute Toxicity - Other Organisms</b>	LD50 for bobwhite quail is >2250 mg/kg for mandestrobin Not toxic to bees.

## 13. Disposal considerations

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

## 14. Transport information

<b>Transport Information</b>	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
<b>U.N. Number</b>	3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (mandestrobin, 25%)



# Safety Data Sheet

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<b>Transport hazard class(es)</b>	9
<b>Hazchem Code</b>	2Z
<b>Packaging Method</b>	-
<b>Packing Group</b>	III
<b>EPG Number</b>	-
<b>IERG Number</b>	47
<b>IMO Marine Pollutant</b>	Yes. Environmentally Hazardous Substance mark required.
<b>IMDG EMS</b>	F-A, S-F
<b>Other Information</b>	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.

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## 15. Regulatory information

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<b>National and or International Regulatory Information</b>	Registered pursuant to the ACVM Act 1997, No. P9352 See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR101227 See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval controls.
<b>Packaging &amp; Labelling</b>	ECOTOXIC
<b>Hazard Rating Systems</b>	NFPA/HMIS: 1-0-1

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## 16. Other Information

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<b>Contact Person/Point</b>	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
<b>Revisions Highlighted</b>	Not applicable (first issue).  ...End Of MSDS...

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