

Infosafe No™ 3NUZT	Issue Date : July 2017	ISSUED by NUFARM
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 Product Name **Medley 50G Systemic Granular Fungicide**

Classified as hazardous

1. Identification

GHS Product Identifier Medley 50G Systemic Granular Fungicide

Product Code 0915

Product Type Group D Fungicide

Company Name NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)

Address 103-105 Pipe Road Laverton North
Victoria 3026 Australia

Telephone/Fax Number Tel: +61 3 9282-1000
Fax: +61 3 9282-1001

Emergency phone number 1800 033 498 (24hr Australia)

Recommended use of the chemical and restrictions on use For the control of phytophthora root rot of avocados, phytophthora root rot and trunk canker of macadamias, phytophthora root rot of peaches, pink rot of potatoes and damping off of certain vegetable crops as per the Directions for Use table on the label.

Other Information

2. Hazard Identification

GHS classification of the substance/mixture SS-1 Sensitization - Skin: Category 1

Signal Word (s) WARNING

Hazard Statement (s) H317 May cause an allergic skin reaction.

General Precautionary Statement (s) P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) Exclamation mark,
The below pictogram is a GHS Hazard symbol for workplace use only.
See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention P261 Avoid breathing dust.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves, clothing, eye and face protection.

Precautionary statement – Response P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Other Information Poisons Schedule S5

3. Composition/information on ingredients

Chemical Characterization Solid

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Metalaxyl	57837-19-1	50 g/kg
	Other ingredients (considered non-hazardous)		Balance

4. First-aid measures

Inhalation Remove affected person to fresh air until recovered.

Ingestion If swallowed do NOT induce vomiting; seek medical advice immediately and show

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this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Skin Wash affected areas thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

Eye contact If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.

First Aid Facilities If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

Advice to Doctor Treat symptomatically.

5. Fire-fighting measures

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

Hazards from Combustion May emit hazardous smoke and fumes if involved in fires or exposed to extreme heat.

Products

Special Protective Equipment for fire fighters Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

Other Information STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal Recover the product by sweeping up or vacuuming without raising dust.
Collect spilled material and waste in sealable open-top type containers for disposal.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

7. Handling and storage

Precautions for Safe Handling Avoid generating dusts while handling the product and mixing.

Conditions for safe storage, including any incompatibilities Store in the closed, original container in a cool, well ventilated area.
Do not store for prolonged periods in direct sunlight.

Other Information Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts not otherwise specified is 10 mg/m³.

Appropriate engineering controls Avoid generating and inhaling dusts.

Personal Protective Equipment When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC or nitrile gloves and goggles.

Hygiene Measures After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
After each day's use, wash contaminated clothing and safety equipment.

Requirements Concerning Special Training Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. Physical and chemical properties

Form Solid

Appearance White granules.

Solubility in Water Not soluble.

Vapour Pressure 0.75 mPa (25°C, metalaxyl)

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Partition Coefficient: Kow Log P is 1.75 (metalaxyl)

n-octanol/water

Flammability Not flammable
Non combustible material.

10. Stability and reactivity

Chemical Stability Stable under normal conditions.

Hazardous Polymerization Hazardous polymerisation is not possible.

11. Toxicological Information

Acute Toxicity - Oral The following data is for the active ingredient, metalaxyl.
LD50 (rat) >669 mg/kg

Acute Toxicity - Dermal LD50 (rat) >5000mg/kg

Acute Toxicity - Inhalation LC50 (rat) (4hr) >3.6 mg/l

Ingestion Possible symptoms of exposure to the concentrate include: nausea, vomiting and abdominal pains.

Inhalation The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.

Skin Prolonged or repeated exposure may cause skin sensitisation.

Eye May irritate the eyes.

Skin Sensitisation Prolonged and repeated skin contact may result in skin sensitisation.

Chronic Effects Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Other Information The Australian Acceptable Daily Intake (ADI) for metalaxyl for a human is 0.03 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 3 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: Aust Govt Dept. of Health, Office of Chemical Safety, 'ADI List', December 2015).

12. Ecological information

Persistence and degradability Half life in soil is typically 36 days.

Other Precautions Do not contaminate streams, rivers or waterways with the chemical or used containers.

Acute Toxicity - Fish The following is data for the active ingredient, metalaxyl.
LC50 (96hr) for rainbow trout is 0.96 mg/l

Acute Toxicity - Daphnia EC50 (48hr) is 3.47 mg/l.

Acute Toxicity - Algae LC50 (120hr) for Scenedesmus subspicatus is 0.42mg/l for metalaxyl

Acute Toxicity - Other Organisms Birds: Not toxic to birds. LD50 for mallard ducks is 1466 mg/kg
Bees: Not toxic to bees. LD50 >200 µg/bee.

13. Disposal considerations

Product Disposal On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

Container Disposal Single rinse before disposal.
Dispose of rinsings in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.
Puncture and bury empty containers in a local authority landfill.
If no landfill is available, bury the containers below 500mm 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.

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14. Transport information

Storage and Transport Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information Australia: WHS regulations (2011) - Schedule 11: classification not listed.

Poisons Schedule S5

Packaging & Labelling CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Other Information This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 62250.

16. Other Information

Date of preparation or last revision of SDS 03/07/2017

Contact Person/Point Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498

Revisions Highlighted The SDS was reviewed. Minor changes were made to the information and product has been rebranded.

...End Of MSDS...

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