

Infosafe No™ 3NUT8	Issue Date : April 2021	ISSUED by NUFARM
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 Product Name **Downright Fungicide**

Classified as hazardous

1. Identification

GHS Product Identifier	Downright Fungicide
Product Code	0826
Product Type	Group 40 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
Emergency phone number	1800 033 498 (24hr Australia)
E-mail Address	SDSANZ@nufarm.com
Recommended use of the chemical and restrictions on use	For the control of various diseases of cucurbits, grapevines, head lettuce, onions, oilseed poppies and potatoes, when mixed with mancozeb or Polyram DF Fungicide Spray, protectant fungicides, as per the Directions for Use table on the label.
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

2. Hazard Identification

GHS classification of the substance/mixture	Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2
Hazard Statement (s)	H411 Toxic to aquatic life with long lasting effects.
Precautionary statement – General	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)	Environment 
Precautionary statement – Prevention	P273 Avoid release to the environment.
Precautionary statement – Response	P391 Collect spillage.
Other Information	Poisons Schedule S5

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Dimethomorph	110488-70-5	500 g/L
	Other ingredients (considered non-hazardous)		30-60 %
	Propylene glycol	57-55-6	0-10 %

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
Ingestion	Rinse mouth and then drink plenty of water.

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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. Seek medical advice.
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 Products	If involved in a fire, it will emit oxides of carbon, oxides of nitrogen and possibly hydrogen chloride or sulfur oxides.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Hazchem Code	3Z
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Collect spilled material and waste in sealable open-top type containers for disposal. On-site disposal of concentrate is not acceptable.
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7. Handling and storage

Precautions for Safe Handling	Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.
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.

8. Exposure controls/personal protection

Occupational exposure limit values	An exposure standard has been set for propylene glycol at (TWA) 474 mg/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 cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. Re-entry period: Do not enter treated area until spray has dried.
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.

9. Physical and chemical properties

Form	Liquid
Appearance	White Liquid
Solubility in Water	Disperses in water.
Specific Gravity	1.13
pH	7.0-7.5
Vapour Pressure	1 x 10 ⁻³ mPa @ 20°C for dimethomorph
Partition Coefficient: n-octanol/water	Kow Log P is 2.69 for dimethomorph

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Flammability Non combustible material.

10. Stability and reactivity

Chemical Stability Stable under normal conditions.

Conditions to Avoid Excessive heat and fire.

Possibility of hazardous reactions Keep away from strong oxidising agents.

Hazardous Polymerization Hazardous polymerisation is not possible.

11. Toxicological Information

Acute Toxicity - Oral LD50 (rat, male) 4300 mg/kg for dimethomorph
LD50 (rat, female) 3500 mg/kg for dimethomorph

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

Acute Toxicity - Inhalation LC50 (rat) (4hr) >4.2 mg/l for dimethomorph (maximum attainable concentration).

Ingestion Not a likely route of exposure.
Low toxicity.

However, swallowing large amounts of concentrate may cause nausea and vomiting.

Inhalation Not a likely route of exposure when handling the concentrate.

Skin May irritate the skin.

Eye May irritate the eyes.

Carcinogenicity The weight of the evidence is that dimethomorph is not carcinogenic.

Chronic Effects Chronic exposure can cause damage to the liver.

Serious eye damage/irritation Not an eye irritant.

Mutagenicity Data indicates no mutagenic effects.

Skin corrosion/irritation Not a skin irritant.

Other Information The Australian Acceptable Daily Intake (ADI) for dimethomorph for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 6 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 APVMA, 'ADI List', January 2021).

12. Ecological information

Persistence and degradability Average field half life of dimethomorph is 57 days.

Mobility Moderately mobile (Koc is 348).

Other Precautions Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

Environmental Protection Spray drift should be avoided, read the label for more information.

Acute Toxicity - Fish The following is data for the active ingredient, dimethomorph.
LC50 (96hr) for bluegill sunfish is >5 mg/l.
LC50 (96hr) for rainbow trout is 3.4 mg/l.

Acute Toxicity - Other Organisms The following data is for the active ingredient, dimethomorph.
Birds: Not toxic to birds. LD50 for mallard ducks is >2000 mg/kg
LD50 for bobwhite quail is >2000 mg/kg
Bees: Not toxic to bees. LD50 >100 µg/bee.

13. Disposal considerations

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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 Do not use this container for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. Empty containers and product should not be burnt.

14. Transport information

Hazchem Code 3Z

Storage and Transport Not a dangerous good in packs not exceeding 500 kg (L) or IBCs not exceeding 3000 kg (L) (ADG Code 7.7 Special Provision AU01)

UN Number (Sea Transport) 3082

IMO Class/Packing Group Class 9/PGIII

IMO Marine Pollutant Marine Pollutant

IMO Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains dimethomorph)

15. Regulatory information

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

Poisons Schedule S5

Other Information This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 70040.

16. Other Information

Date of preparation or last revision of SDS Revised April 2021

Contact Person/Point Normal Hours: SDS Coordinator Phone: +61 3 9282 1000
 After Hours: Shift Supervisor Phone: 1800 033 498
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