

Infosafe No™ 3NUGV	Issue Date : November 2024	ISSUED by NUFARMNZ
Product Name <b>VALDO® 800 WG</b>		

## Section 1 - Identification

<b>Product Identifier</b>	VALDO® 800 WG
<b>Product Code</b>	01696
<b>Product Type</b>	Herbicide
<b>Company Name</b>	Nufarm NZ
<b>Address</b>	Central Park, Building 3, Level 4, 666 Great South Road Ellerslie Auckland 1051 New Zealand
<b>Telephone/Fax Number</b>	Tel: 0-9-270 4150
<b>Emergency Phone Number</b>	0800 651 911
<b>Email</b>	nzinfo@nufarm.com
<b>Recommended uses and any restrictions on use or supply</b>	For post-emergent control of broadleaf weeds in clover, lucerne, chicory, new and mature pasture and maize.
<b>Other Information</b>	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.

## Section 2 - Hazard(s) Identification

<b>GHS classification of the substance/mixture</b>	Hazardous to the terrestrial environment: Hazardous to soil organisms Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1
<b>Signal Word (s)</b>	WARNING
<b>Hazard Statement (s)</b>	H410 Very toxic to aquatic life with long lasting effects. H421 Very toxic to the soil environment.
<b>Precautionary Statement – General</b>	P103 Read carefully and follow all instructions.
<b>Pictogram (s)</b>	Environment



<b>Precautionary Statement – Prevention</b>	P273 Avoid release to the environment.
<b>Precautionary Statement – Response</b>	P391 Collect spillage.
<b>Precautionary Statement – Disposal</b>	P501 Dispose of contents/container to an approved landfill.

## Section 3 - Composition and Information on Ingredients

<b>Chemical Characterization</b>	Solid		
<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Ingredients determined to be non-hazardous	-	200g/kg
	Flumetsulam	98967-40-9	800g/kg

## Section 4 - First Aid Measures

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<b>First-aid Measures</b>	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.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Skin</b>	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.
<b>Eye</b>	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.
<b>First-aid Facilities</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
<b>Advice to Doctor</b>	Treat symptomatically.

## Section 5 - Firefighting Measures

<b>Suitable Extinguishing Media</b>	Dry Chemical, water spray, carbon dioxide,
<b>Hazards from Combustion Products</b>	On burning may emit oxides of nitrogen, oxides of sulphur and halogen derivatives which are toxic and/or irritating.
<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>	2X
<b>Decomposition Temperature</b>	Information is not available.
<b>Other Information</b>	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

## Section 6 - Accidental Release Measures

<b>Spills and Disposal</b>	Wear protective clothing. Clear area of unprotected personnel. Sweep up solids without generating dust (use water to dampen). Contain and absorb liquid spills with inert material and place in waste containers. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal 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. This product is a herbicide and spills can damage crops, pastures and desirable vegetation. Prevent contamination of soil and water.

## Section 7 - Handling and Storage

<b>Precautions for Safe Handling</b>	The person mixing or applying this product must be a 'Qualified Contractor' or a 'Qualified Person'. The spray mixture may also be prepared by a 'Qualified Loader'. It is the duty of the PCBU that a person who uses, handles, manufactures or stores a hazardous substance (including hazardous waste) is provided information, instruction and training in accordance with Regulation 4.5 of the Health and Safety at work (Hazardous Substances) Regulations 2017. Avoid skin and eye contact and inhalation of spray mist. This product must not be applied onto or into water.
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**Conditions for safe storage, including any incompatibilities**

BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.  
 CERTIFIED HANDLER: Is not required.  
 TRACKING: Is not required.  
 RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if more than 3kg of Valdo 800WG is applied within 24 hours.  
 Keep out of reach of children.  
 Store in original container, tightly closed, in a locked, dry, cool, well ventilated area away from foodstuffs, seeds, feed and fertiliser. Store in accordance with NZS 8409 Management of Agrichemicals.  
 Stores containing 100kg of Valdo 800WG are subject to signage, and more than 100kg 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.

## Section 8 - Exposure Controls and Personal Protection

**Occupational Exposure Limits (OEL)** No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.

**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, waterproof gloves, 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. Wash splashes of concentrate from skin immediately.

## Section 9 - Physical and Chemical Properties

**Form** Solid

**Appearance** Beige granule.

**Odour** Information is not available.

**Decomposition Temperature** Information is not available.

**Melting Point** >200°C

**Solubility in Water** 49mg/L (pH 2.5) for active ingredient flumetsulam.

**pH** 5 - 8

**Vapour Pressure** 3.7 x 10<sup>-7</sup>mPa (25°C) for active ingredient flumetsulam.

**Vapour Density (Air=1)** Information is not available.

**Partition Coefficient: n-octanol/water** Kow logP = -0.68 (25°C) for active ingredient flumetsulam.

**Density** 775 - 825g/mL

**Flash Point** Information is not available.

**Flammability** Information is not available.

**Auto-ignition Temperature** Information is not available.

**Flammable Limits - Lower** Information is not available.

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<b>Flammable Limits - Upper</b>	Information is not available.
<b>Initial Boiling Point and Boiling Range</b>	Information is not available.
<b>Kinematic Viscosity</b>	Information is not available.
<b>Particle Characteristics</b>	Information is not available.
<b>Relative Density</b>	1.77 (21°C) for active ingredient flumetsulam.
<b>Other Information</b>	(WG) Water Dispersible Granule

## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal conditions of handling and storage.
<b>Conditions to Avoid</b>	Avoid extreme temperatures.
<b>Hazardous Polymerization</b>	Hazardous polymerisation will not occur.

## Section 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) >5,000 mg/kg for flumetsulam
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) 1.2 mg/l for flumetsulam
<b>Acute Toxicity - Dermal</b>	LD50 (rabbit) >2,000 mg/kg for flumetsulam
<b>Skin Corrosion/Irritation</b>	Information is not available.
<b>Serious Eye Damage/Irritation</b>	Slightly irritating to rabbits for flumetsulam.
<b>Skin Sensitisation</b>	Non-sensitising to skin (guinea pigs) for flumetsulam.
<b>Germ Cell Mutagenicity</b>	Non-mutagenic in the Ames test for flumetsulam.
<b>Carcinogenicity</b>	Information is not available.
<b>Reproductive Toxicity</b>	Information is not available.
<b>STOT - Repeated Exposure</b>	Information is not available.
<b>Subchronic/Chronic Toxicity</b>	Non-teratogenic (dietary) in rats for flumetsulam. NOEL for female rats 500mg/kg body weight for flumetsulam.
<b>Other Information</b>	The Australian Acceptable Daily Intake (ADI) for flumetsulam for a human is 1 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 100 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', Edition 4/2023).

## Section 12 - Ecological Information

<b>Persistence and Degradability</b>	Not bioaccumulative for active ingredient flumetsulam.
<b>Mobility</b>	Information is not available.
<b>Environmental Fate</b>	Soil photolysis DT50 = 3 months for active ingredient flumetsulam. Aqueous photolysis DT50 = 6-12 months for active ingredient flumetsulam.
<b>Bioaccumulative Potential</b>	Not rapidly degradable for active ingredient flumetsulam.
<b>Basis for Assessment</b>	Ecotoxicological data have not been determined specifically for this product.

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Data below is for the active ingredient unless otherwise stated.

**Acute Toxicity - Fish** LC50 (96hr) for silverside minnow is >379 mg/l for flumetsulam

**Acute Toxicity - Daphnia** Non-toxic for active ingredient flumetsulam.

**Acute Toxicity - Algae** EC50 (5d) for green algae 4.9µg/L for active ingredient flumetsulam.

**Acute Toxicity - Other Organisms** LD50 bobwhite quail >2250mg/L for active ingredient flumetsulam.  
LC50 (14d) worms >950mg/kg soil for active ingredient flumetsulam.  
LC50 bees >100µg/bee for active ingredient flumetsulam.

### Section 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.

### Section 14 - Transport Information

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

**UN Number** 3077

**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (flumetsulam)

**Hazard 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.

### Section 15 - Regulatory Information

**National and or International Regulatory Information** Registered pursuant to the ACVM Act 1997, No. P8495  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to the HSNO Act 1996, Approval Code HSR000458  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

**Packaging and Labelling** READ SAFETY DIRECTIONS BEFORE OPENING OR USING  
KEEP OUT OF REACH OF CHILDREN

### Section 16 - Any Other Relevant Information

**Date of preparation or last revision of SDS** May 2022.

**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** Various changes and updates made to the document to comply with GHS7.  
...End Of MSDS...



# Material Safety Data Sheet

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