

Infosafe No™ 3NUR5	Issue Date : July 2024	ISSUED by NUFARMNZ
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Product Name **WEEDMASTER® G360**

## Section 1 - Identification

<b>Product Identifier</b>	WEEDMASTER® G360
<b>Product Code</b>	01300
<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 weed control in agriculture, horticulture, drains, aquatic areas, forestry and other uses including general weed control. Recommended prior to sowing pasture, crops and for the control of a wide range of brushweeds.
<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>	Acute inhalation toxicity: Category 4 Hazardous to the aquatic environment chronic Category 2 Eye irritation Category 2
<b>Signal Word (s)</b>	WARNING
<b>Hazard Statement (s)</b>	H302 Harmful if swallowed H312 Harmful in contact with skin H319 Causes serious eye irritation H332 Harmful if inhaled H411 Toxic to aquatic life with long lasting effects
<b>Precautionary Statement – General</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read carefully and follow all instructions.
<b>Pictogram (s)</b>	Exclamation mark, Environment



<b>Precautionary Statement – Prevention</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands and face thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
<b>Precautionary Statement – Response</b>	P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER/doctor if you feel unwell. P330 Rinse mouth. P337+P313 If eye irritation persists: Get medical advice/attention. P363 Wash contaminated clothing before reuse.

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**Precautionary Statement – Disposal** P391 Collect spillage.  
P501 Dispose of contents/container to an approved landfill.

### Section 3 - Composition and Information on Ingredients

<b>Chemical Characterization</b>	Liquid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Glyphosate (present as the isopropylamine salt)	38641-94-0	360 g/L
	Amines, tallow alkyl, ethoxylated	61791-26-2	5-15 %
	Water	7732-18-5	Balance

### Section 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** 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.

### Section 5 - Firefighting Measures

**Suitable Extinguishing Media** If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.  
Water, foam, carbon dioxide or dry chemical.

**Hazards from Combustion Products** This product, or spray solutions of this product, react with galvanised steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas which may form a highly flammable or explosive gas mixture.  
If involved in a major fire, could evolve oxides of nitrogen or phosphorus.

**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.

**Hazchem Code** 2X

**Decomposition Temperature** Information is not available.

**Other Information** Location Certificate: Not applicable  
Hazardous Atmosphere Zone: Not applicable  
Number of Fire Extinguishers: Not applicable

### Section 6 - Accidental Release Measures

**Spills and 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.

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<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	Prevent contamination of soil and water. This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

## Section 7 - Handling and Storage

<b>Precautions for Safe Handling</b>	<p>Any application of WEEDMASTER G360 when used as an aquatic herbicide, must be under the personal control of a 'Qualified Loader', 'Qualified Contractor' or a 'Qualified Person'.</p> <p>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.</p> <p>Avoid skin and eye contact and inhalation of spray mist.</p> <p>BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.</p> <p>CERTIFIED HANDLER: Is not required.</p> <p>TRACKING: Is not required.</p> <p>RECORD KEEPING: Is not required.</p>
<b>Conditions for safe storage, including any incompatibilities</b>	<p>Keep out of reach of children.</p> <p>Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers, pesticides and seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals.</p> <p>Stores containing 1,000L of WEEDMASTER G360 require secondary containment and are subject to signage, and more than 1,000L require emergency response plans.</p>
<b>Recommended Materials</b>	<p>Solutions of WEEDMASTER G360 should be mixed, stored and applied only in stainless steel, aluminium, brass, copper, fibreglass, plastic or plastic lined containers. Do not mix or store this product in galvanized or unlined steel (except stainless steel) containers or spray tanks. WEEDMASTER G360 or solutions of WEEDMASTER G360 react with such containers to produce hydrogen gas which may form a highly combustible gas mixture which can flash or explode if ignited.</p>
<b>Other Information</b>	<p>Aggregate Storage Volume Thresholds:</p> <p>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.</p> <p>Avoid contact with foliage or green stems or fruit or crops, desirable plants and trees, since severe injury or death may occur. Do not allow drift to occur outside the target area.</p>

## Section 8 - Exposure Controls and Personal Protection

<b>Occupational Exposure Limits (OEL)</b>	The EEL for glyphosate is set at 0.37mg/L.
<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>	<p>Do not eat, drink or smoke while using.</p> <p>Remove protective clothing and wash hands and face thoroughly before meals and after work.</p> <p>Wash protective clothing daily after work.</p>

## Section 9 - Physical and Chemical Properties

<b>Form</b>	Liquid
<b>Appearance</b>	Clear green liquid.
<b>Odour</b>	Mild surfactant odour.

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<b>Decomposition Temperature</b>	Information is not available.
<b>Melting Point</b>	Occurs in 2 steps, 143-164°C and 189-223°C for glyphosate as isopropylamine salt.
<b>Boiling Point</b>	>100°C (water)
<b>Solubility in Water</b>	Soluble
<b>Specific Gravity</b>	1.17 @ 20°C
<b>pH</b>	4.8 (8% aqueous)
<b>Vapour Pressure</b>	2.1 x 10 <sup>-3</sup> mPa (25°C) for glyphosate as isopropylamine salt.
<b>Vapour Density (Air=1)</b>	Information is not available.
<b>Odour Threshold</b>	Information is not available.
<b>Partition Coefficient: n-octanol/water</b>	Kow logP = -5.4 (20°C) for glyphosate as isopropylamine salt.
<b>Flash Point</b>	Information is not available.
<b>Flammability</b>	Non combustible material
<b>Auto-ignition Temperature</b>	Information is not available.
<b>Flammable Limits - Lower</b>	Information is not available.
<b>Flammable Limits - Upper</b>	Information is not available.
<b>Kinematic Viscosity</b>	Information is not available.
<b>Particle Characteristics</b>	Information is not available.
<b>Other Information</b>	(SL) Soluble concentrate

## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal conditions of handling and storage.
<b>Incompatible Materials</b>	Non corrosive to stainless steel, polyethylene and plastics. WEEDMASTER G360 reacts with galvanised steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas that may form a highly combustible gas mixture. Avoid contact of the concentrate with strong alkalis. Such contact may release isopropylamine vapour with a strong fish like odour, which can be irritant to eyes. Isopropylamine has an oral LD50(rat) of 820mg/kg and a WES TWA of 5ppm.
<b>Hazardous Polymerization</b>	Hazardous polymerisation will not occur.

## Section 11 - Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat) >5,000 mg/kg for glyphosate as isopropylamine salt.
<b>Acute Toxicity - Inhalation</b>	LC50(rat) (4h) >1.3mg/L air for glyphosate as isopropylamine salt.
<b>Acute Toxicity - Dermal</b>	LD50 (rabbit) >5,000 mg/kg for glyphosate as isopropylamine salt.
<b>Ingestion</b>	The concentrate is of low toxicity if swallowed. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. Possible symptoms of exposure include: nausea, vomiting and gastrointestinal discomfort and diarrhoea. Ingestion of a large quantity of the undiluted product may result in hypotension and pulmonary oedema.

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<b>Inhalation</b>	When applying the product as a spray avoid breathing in spray mist. May cause irritation to mucous membranes and respiratory tract.
<b>Skin</b>	Not an irritant.
<b>Corrosion/Irritation</b>	Not a skin irritant (rabbits) for glyphosate as isopropylamine salt.
<b>Serious Eye Damage/Irritation</b>	This product causes serious eye irritation.
<b>Skin Sensitisation</b>	Information is not available.
<b>Germ Cell Mutagenicity</b>	Information is not available.
<b>Carcinogenicity</b>	Various regulatory agencies classify glyphosate as non-carcinogenic. The International Agency for Research on Cancer (IARC) classified glyphosate as 'probably carcinogenic to humans' (Group 2A). This finding was considered by various regulators post 2015.
<b>Reproductive Toxicity</b>	Information is not available.
<b>STOT - Repeated Exposure</b>	Information is not available.
<b>Aspiration Hazard</b>	Information is not available.
<b>Other Information</b>	The Australian Acceptable Daily Intake (ADI) for glyphosate for a human is 0.3 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 30 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 1/2024).

## Section 12 - Ecological Information

<b>Persistence and Degradability</b>	In Soil (field) DT50 varies from 1-130 days depending on environmental conditions for glyphosate.
<b>Mobility</b>	Adsorption studies indicate that glyphosate has very low mobility.
<b>Bioaccumulative Potential</b>	Glyphosate is not bioaccumulative, BCF = <1 for bluegill sunfish.
<b>Other Precautions</b>	Do not spray in high winds. Do not contaminate dams, waterways or sewers with this product.
<b>Environmental Protection</b>	Glyphosate is a non-selective contact herbicide. Spray drift can cause damage.
<b>Acute Toxicity - Fish</b>	LC50 (96hr) for trout and bluegill sunfish >1000mg/L for glyphosate as isopropylamine salt.
<b>Acute Toxicity - Daphnia</b>	LC50 (48h) = 930mg/L for glyphosate as isopropylamine salt.
<b>Acute Toxicity - Algae</b>	EbC50 (72hr) Scenedesmus subspicatus = 72.9mg/L for glyphosate as isopropylamine salt.
<b>Acute Toxicity - Other Organisms</b>	Earthworm (Eisenia foetida) LC50(14d) >5000mg/kg soil for glyphosate as isopropylamine salt
<b>Other Information</b>	Environmental Exposure Limit (EEL) for glyphosate = 0.37mg/L

## Section 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.

## Section 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>UN Number</b>	3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (glyphosate)

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<b>Hazard Class</b>	9
<b>Hazchem Code</b>	2X
<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>	Do not carry this product on a passenger service vehicle. 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

<b>National and or International Regulatory Information</b>	Registered pursuant to the ACVM Act 1997, No. P5785 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 HSR000227 See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval controls.
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## Section 16 - Any Other Relevant Information

<b>Date of preparation or last revision of SDS</b>	July 2019.
<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>	5 yearly review carried out. Various changes and updates made to the document to comply with GHS7. ...End Of MSDS...

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