

Infosafe No™ 3NUQ7	Issue Date : May 2018	ISSUED by NUFARMNZ
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 Product Name **WEEDMASTER® DRY**

1. Identification

GHS Product Identifier	WEEDMASTER® DRY
Product Code	01700
Product Type	Herbicide
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150
Emergency phone number	0800 651 911
Email	info@nufarm.com
Recommended use of the chemical and restrictions on use	For brushweed control and general weed control in agriculture, horticulture, industrial areas, forestry, recreational areas and aquatic situations.
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	6.1E acute toxicant, 8.3A eye corrosive, 9.1B aquatic toxicant, TOXICITY Harmful - may be harmful if swallowed, inhaled or absorbed through the skin. CORROSIVE Danger - this product is corrosive and may cause eye damage. ECOTOXIC Toxic to aquatic organisms with long-lasting effects. Non-selective herbicide - very toxic to some plant species.
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3. Composition/information on ingredients

Chemical Characterization	Solid		
Ingredients	Name	CAS	Proportion
	Glyphosate present as the ammonium salt	40465-66-5	680 g/kg
	Ethoxylated Tallow Amine	61791-26-2	10-30 %w/w
	Stabilisers (non-hazardous)		Balance

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. 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

Infosafe No™ 3NUQ7	Issue Date : May 2018	ISSUED by NUFARMNZ
--------------------	-----------------------	--------------------

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Advice to Doctor eyewash facility and safety shower.
Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Water fog, 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

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

6. Accidental release measures

Spills & Disposal 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.

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

Environmental Precautions Prevent contamination of soil and water.
This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

7. Handling and storage

Precautions for Safe Handling Do not get in eyes.
Avoid skin and eye contact and inhalation of spray mist or dust.
APPROVED HANDLER: This product must be under the control of an approved handler when applied directly onto or into water.
TRACKING: Is not required
RECORD KEEPING: Not applicable
BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.

Conditions for safe storage, including any incompatibilities Keep out of reach of children.
Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
Stores containing 1,000kg of WEEDMASTER DRY are subject to signage, and more than 1,000kg require emergency response plans.

Recommended Materials This product and solutions of this product 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. This product or solutions of this product react with such containers to produce hydrogen gas which may form a highly combustible gas mixture which can flash or explode if ignited.

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 HSN0 Regulations.

8. Exposure controls/personal protection

Occupational exposure limit values The EEL for glyphosate is set at 0.37mg/L.
As with all dusts the WES for particulates not otherwise classified = 10mg/m³.

Infosafe No™ 3NUQ7	Issue Date : May 2018	ISSUED by NUFARMNZ
--------------------	-----------------------	--------------------

 Product Name **WEEDMASTER® DRY**

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, boots, and a NIOSH approved half face mask with organic vapour cartridge + dust/mist prefilter.
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.

9. Physical and chemical properties

Form	Solid
Appearance	Pale yellow granules
Odour	Musty odour
Solubility in Water	Soluble in water.
pH	3.8 - 6.0 (1% solution)
Density	0.61g/mL
Flash Point	> 93°C
Flammability	Non combustible material.
Other Information	(SG) Water Soluble Granule

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Incompatible Materials	Avoid contact with alkaline materials. Corrosive to mild steel, galvanised steel and zinc. Non corrosive to stainless steel, polyethylene and plastics. Do not mix, store or apply the product or spray solutions of the product in galvanised steel or unlined steel (except stainless steel) containers or spray tanks. This product and spray solutions of this product may react with galvanised steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas that may form a highly combustible gas mixture.
Hazardous Polymerization	Hazardous polymerisation will not occur.

11. Toxicological Information

Toxicology Information	No harmful effects are expected if the precautions on the label and this SDS are followed.
Acute Toxicity - Oral	LD50 (rat) = >5,000mg/kg for glyphosate
Acute Toxicity - Dermal	LD50 (rabbit) = >5,000mg/kg for glyphosate
Acute Toxicity - Inhalation	LC50 4h (rat) = >5.0mg/L air
Ingestion	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. Oral ingestion of large quantities of a similar product has been reported to result in hypotension and lung edema.
Inhalation	When applying the product as a spray avoid breathing in spray mist. May cause irritation to mucous membranes and respiratory tract.
Skin	May irritate the skin.
Eye	The concentrate will cause severe irritation and possible damage unless washed off immediately.
Skin Sensitisation	Not a skin or dermal sensitizer (Guinea pig)
Chronic Effects	No information available, no chronic effects expected.

Infosafe No™ 3NUQ7	Issue Date : May 2018	ISSUED by NUFARMNZ
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Other Information 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: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', December 2014).
This material contains less than 0.4% sodium sulphite. In sulphite-sensitive individuals, skin reactions have been reported following dermal exposures and respiratory reactions have been reported on ingestion of food, or inhalation of medicines which contain related sulphiting agents (bisulphites or metabisulphites) as preservatives. Individuals with asthma may be more prone to these types of reactions.

12. Ecological information

Persistence and degradability Adsorption studies indicate that glyphosate has very low mobility. Average field half life of glyphosate is 47 days.

Bioaccumulative Potential Glyphosate is not bioaccumulative.
BCF = <1 (for glyphosate)

Kow LogP = <-3.7 for glyphosate mono ammonium salt

Other Precautions Do not spray in high winds.

Do not contaminate dams, waterways or sewers with this product.

Environmental Protection Glyphosate is a non-selective contact herbicide. Spray drift can cause damage.

Acute Toxicity - Fish LC50 (96h) Bluegill sunfish 120 mg/L for glyphosate

Acute Toxicity - Daphnia LC50 (48h) = 780mg/L for glyphosate

Acute Toxicity - Algae Acute EC50 (96h) Skeletonema costatum (diatom) = 1.3mg/L for glyphosate

Acute Toxicity - Other Organisms Acute oral LD50 for bobwhite quail = >3850mg/kg (for glyphosate)
Bee LD50 (contact and oral) = >100µg/kg (for glyphosate)

13. Disposal considerations

Product Disposal Dispose of product only by using according to the label, or at an approved landfill.

Container Disposal Ensure container is completely empty. Burn in an appropriate incinerator if circumstances, such as wind direction, permit. Otherwise crush and bury in an appropriate landfill.

14. Transport information

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

U.N. Number 3077

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (glyphosate, 68%)

Transport hazard class(es) 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 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.

15. Regulatory information

Infosafe No™ 3NUQ7	Issue Date : May 2018	ISSUED by NUFARMNZ
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National and or International Regulatory Information	Registered pursuant to the ACVM Act 1997, No. P8769 See www.foodsafety.govt.nz for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR000219 See www.epa.govt.nz for approval controls.
Packaging & Labelling	HARMFUL * CORROSIVE - keep out of reach of children ECOTOXIC
Hazard Rating	NFPA/HMIS: 2-1-1
Hazard Category	HARMFUL * CORROSIVE * ECOTOXIC - Keep out of reach of children

16. Other Information

Date of preparation or last revision of SDS May 2013

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
5 yearly review carried out. Various changes and updates made to document.

Revisions Highlighted

...End Of MSDS...

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