



Infosafe No™ 3NUQ7	Issue Date : May 2013	ISSUED by NUFARMNZ
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Product Name **Weedmaster® Dry**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name Weedmaster® Dry
Product Code 01700
Product Use For brushweed control and general weed control in agriculture, horticulture, industrial areas, forestry, recreational areas and aquatic situations.
Company Name Nufarm NZ
Address 6 Manu Street, Otahuhu
Auckland 2024 New Zealand
Emergency Tel. 0800 651 911
Telephone Number/Fax Tel: 0-9-270 4150
Fax: 0-9-270 4159
Product Type Herbicide
Email info@nz.nufarm.com
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. 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

3. HAZARDS IDENTIFICATION

Chronic Effects No information available, no chronic effects expected.

Inhalation When applying the product as a spray avoid breathing in spray mist.
May cause irritation to mucous membranes and respiratory tract.

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.

Skin May irritate the skin.

Eye The concentrate will cause severe irritation and possible damage unless washed off immediately.

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.

4. 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.

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Ingestion	Seek medical assistance immediately. 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.

5. FIRE FIGHTING MEASURES

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.
Specific Methods	Keep up wind. Do not allow washings to reach sewage or effluent systems.
Hazardous 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.
Protective Equipment	Full protective clothing and self-contained breathing apparatus.
Flash Point	> 93°C
Flammability	Non combustible material.
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

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.
Storage	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 galvanised 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

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Packaging	or explode if ignited. HARMFUL * CORROSIVE - keep out of reach of children ECOTOXIC
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	The EEL for glyphosate is set at 0.37mg/L. As with all dusts the WES for particulates not otherwise classified = 10mg/m ³ .
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.
Eng. Controls	Handle in well ventilated areas, generally natural ventilation is adequate.
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

Appearance	Pale yellow granules
Odour	Musty odour
Solubility in Water	Soluble in water.
pH Value	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

Stability	Stable under normal conditions of handling and storage.
Hazardous Polymerization	Hazardous polymerisation will not occur.
Materials to Avoid	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.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No harmful effects are expected if the precautions on the label and this SDS are followed.
Inhalation	When applying the product as a spray avoid breathing in spray mist. May cause irritation to mucous membranes and respiratory tract.
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.
Skin	May irritate the skin.

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Eye	The concentrate will cause severe irritation and possible damage unless washed off immediately.
Chronic Effects	No information available, no chronic effects expected.
Acute Toxicity - Oral	LD50 (rat) = >2,000mg/kg
Acute Toxicity - Dermal	LD50 (rat) = >2,000mg/kg
Acute Toxicity - Inhalation	LC50 4h (rat) = >5.0mg/kg
Skin Sensitisation	Not a skin or dermal sensitizer (Guinea pig)
Other Information	<p>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 2012).</p> <p>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.</p>

12. ECOLOGICAL INFORMATION

Other Precautions	Do not spray in high winds. Do not contaminate dams, waterways or sewers with this product.
Environ. Protection	Glyphosate is a non-selective contact herbicide. Spray drift can cause damage.
Persistence / Degradability	Adsorption studies indicate that glyphosate has very low mobility. Average field half life of glyphosate is 47 days.
Bioaccumulation	Glyphosate is not bioaccumulative. BCF = <1 (for glyphosate)
Acute Toxicity - Fish	Kow LogP = <-3.7 for glyphosate mono ammonium salt LC50 (96h) Bluegill sunfish 45 mg/L for glyphosate
Acute Toxicity - Daphnia	LC50 (48h) = 780mg/L for glyphosate
Acute Toxicity - Algae	Acute EC50 (96h) Skeletonema costatum (diatom) = 1.2mg/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

U.N. Number	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs. 3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (glyphosate, 68%)
DG Class	9
Hazchem Code	2X
Packaging Method	-
Packing Group	III
EPG Number	-
IERG Number	47



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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

Packaging & Labelling HARMFUL * CORROSIVE - keep out of reach of children
ECOTOXIC
Hazard Rating Systems NFPA/HMIS: 2-1-1
Hazard Category HARMFUL * CORROSIVE * ECOTOXIC - Keep out of reach of children
National Legislation 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.
UK Legislation info@nz.nufarm.com

16. OTHER INFORMATION

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
SDS History N/A First Issue
Hazard Category HARMFUL * CORROSIVE * ECOTOXIC - Keep out of reach of children
...End Of MSDS...

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