

Infosafe No™ 3NU8G	Issue Date : July 2015	ISSUED by NUFARMNZ
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Product Name **TRIMEC®**

1. Identification

GHS Product Identifier	TRIMEC®
Product Code	00629
Product Type	Herbicide
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150 Fax: 0-9-270 4159
Emergency phone number	0800 651 911
Email	info@nz.nufarm.com
Recommended use of the chemical and restrictions on use	A selective herbicide for the control of a wide range of broadleaf weeds in wheat, barley, oats and ryegrass seed crops.
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	6.1D acute toxicant, 6.3B skin irritant, 6.5A sensitiser, 6.5B sensitiser, 6.8B reproductive or developmental toxicant, 6.9A target organ toxicant, 8.3A eye corrosive, 9.1A aquatic toxicant, 9.2A soil toxicant, 9.3C terrestrial vertebrate toxicant. TOXICITY Harmful-May be harmful if swallowed, inhaled or absorbed through the skin. May cause mild skin irritation, or sensitisation from prolonged skin contact. May cause reproductive/development damage from repeated oral exposure. Toxic- may cause respiratory sensitisation. May cause liver or kidney damage from repeated oral exposure at high doses. CORROSIVE Danger-this product is corrosive and may cause eye damage. ECOTOXIC Very toxic to aquatic organisms with long lasting effects. Very toxic to the soil environment. Harmful to terrestrial vertebrates. Selective herbicide-very toxic to some plant species.
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3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Mecoprop	7085-19-0	600 g/L
	MCPA	94-74-6	150 g/L
	Dicamba	1918-00-9	18.7 g/L

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

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Eye contact	contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance. Do not scrub the skin. 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.
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

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products	On burning will emit toxic fumes.
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.
Specific hazards arising from the chemical	Considered low risk due to water content, however upon evaporation of water the product is combustible.
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. 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.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling	Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner, or used by a commercial contractor. TRACKING: Is not required. RECORD KEEPING: Records of use as described in the NZS 8409 Management of Agrichemicals must be kept. 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	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 100L of TRIMEC require secondary containment and are subject to signage, and more than 100L require emergency response plans. Keep out of reach of children.
Corrosiveness	Mecoprop technical is corrosive to metals in the presence of moisture.
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

Occupational exposure limit values	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
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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.

9. Physical and chemical properties

Form	Liquid
Appearance	Dark brown liquid
Odour	Phenolic odour
Solubility in Water	Soluble
Specific Gravity	1.27
pH	8.5 - 11.0
Flammability	Not flammable
Other Information	(SL) Soluble concentrate

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Avoid strong acid or alkali. Avoid oxidising agents. Under adverse conditions, the concentrate may react strongly with powerful oxidising agents.
Incompatible Materials	Corrosive to iron. Reaction of the concentrate or spray mix with acids will precipitate solid actives and largely de-activate the product and cause blockages in spray equipment.

11. Toxicological Information

Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Acute Toxicity - Oral	LD50 (rat) 930-1166 mg/kg for Mecoprop LD50 (rat) 962-1470 mg/kg for MCPA LD50 (rat) 1707 mg/kg for Dicamba
Acute Toxicity - Dermal	LD50 (rabbit) 900 mg/kg for mecoprop
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >12.5 mg/l for mecoprop LC50 (male rat) (4hr) 4.46 mg/l for dicamba
Ingestion	Harmful if swallowed.
Inhalation	Harmful by inhalation. May cause sensitisation by repeated inhalation.
Skin	May cause mild skin irritation. Prolonged or repeated exposure may cause skin sensitisation.
Eye	Corrosive to eyes; contact can cause corneal burns.
Chronic Effects	May cause liver or kidney damage from repeated oral or inhalation exposure at high doses.
Other Information	MCPA: Animal tests have shown the liver and kidney to be adversely affected after prolonged administration of large doses of MCPA. Repeated or prolonged administration of MCPA may result in an increased susceptibility to infection. No teratogenic nor carcinogenic activity has been detected. Dicamba: Rats and dogs administered 25mg/kg/bw of dicamba for 2 years produced no observable effects on survival, body weight, food consumption, organ weights, blood or tissue changes. Dicamba in a three-generation reproduction study in rats did not affect reproduction.

12. Ecological information

Persistence and degradability	Dicamba is not readily biodegradable.
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Environmental Fate	Mecoprop: Soil DT50 = 7-13 days MCPA: Soil DT50 = < 7 days after initial lag phase. Dicamba: Environmental Fate: Soil DT50 = < 14 days. Koc
Bioaccumulative Potential	Risk of bioaccumulation in an aquatic species is low.
Other Adverse Effects	Dicamba: May cause long-term adverse effects in the aquatic environment.
Acute Toxicity - Fish	Mecoprop: LC50 (96h) Rainbow trout = 150-240mg/L, Bluegill sunfish = >100mg/L MCPA: LC50 (96h) Rainbow trout = 232mg/L Dicamba: LC50 (96h) Bluegill sunfish = 135mg/L
Acute Toxicity - Daphnia	Mecoprop: EC50 (48h) Daphnia magna = 420mg/L Dicamba: EC50 (48h) Daphnia magna = 120.7mg/L
Acute Toxicity - Algae	MCPA: EC50 (96h) Navicula pelliculosa (Algae) 0.21mg/L Dicamba: EC50 (5d) Blue-green algae 0.061mg/L
Acute Toxicity - Other Organisms	Mecoprop: Oral LD50 Bobwhite quail 500-1000mg/kg Oral LD50 Bee >0.01mg/bee (not toxic to bees) Contact LD50 Bee >0.10mg/bee MCPA: Oral LD50 Bobwhite quail 377mg/kg Oral LD50 Bee >0.02mg/bee Dicamba: Oral LD50 Mallard duck 1373mg/kg Oral LD50 Bee >0.1mg/kg (Not toxic to bees)

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.

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	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (MCPA 15%, dicamba 1.87%)
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

National and or International Regulatory Information	Registered pursuant to the ACVM Act 1997, No. P3253 See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSNO Act 1996, Approval Code HSR000348 See www.epa.govt.nz for approval controls.
Packaging & Labelling	HARMFUL * CORROSIVE * ECOTOXIC - keep out of reach of children



Safety Data Sheet

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Hazard Rating NFPA/HMIS: 2-0-1
Systems

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

Highlighted

Other Information Supersedes SDS issued September 2009
...End Of MSDS...

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