



Infosafe No™ 3NUIS	Issue Date : November 2013	ISSUED by NUFARMNZ
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Product Name **PRESTIGE®**

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

**Product Name** PRESTIGE®  
**Product Code** 00557  
**Product Use** For the control of some broadleaf weeds in fodder brassicas and radiata pine.  
**Company Name** Nufarm NZ  
**Address** 6 Manu Street, Otahuhu  
Auckland 2024 New Zealand  
**Emergency Tel.** 0800 651 911  
**Telephone** Tel: 0-9-270 4150  
**Number/Fax** 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** Liquid  
**Characterization**

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Clopyralid (as the monoethanolamine salt)	1702-17-6	225 g/L
	Picloram (as the monoethanolamine salt)	1918-02-1	150 g/L
	Ingredients determined to be non-hazardous	-	To volume

## 3. HAZARDS IDENTIFICATION

**Inhalation** The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.  
When applying the product as a spray avoid breathing in spray mist.

**Ingestion** The concentrate is of low toxicity if swallowed.  
Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.

**Skin** Not a skin irritant and not harmful by dermal exposure.

**Eye** May irritate the eyes.

**Other Information** 6.4A eye irritant, 9.1C aquatic toxicant, 9.2A soil toxicant, 9.3C terrestrial vertebrate toxicant,  
TOXICITY  
Harmful - may cause eye irritation.  
ECOTOXIC  
Harmful to aquatic organisms.  
Selective herbicide - very toxic to some plant species.  
Harmful to terrestrial vertebrates.

## 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. 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.

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<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. Seek medical assistance. Remove contact lenses, if present and easy to do.
<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.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	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.
<b>Specific Methods</b>	Keep up wind. Do not allow washings to reach sewage or effluent systems. Keep containers cool with water spray.
<b>Specific Hazards</b>	Considered low risk due to water content, however upon evaporation of water the product is combustible.
<b>Hazardous Combustion Products</b>	May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or exposed to extreme heat.
<b>Protective Equipment</b>	Full protective clothing and self-contained breathing apparatus.
<b>Flammability</b>	Not flammable
<b>Other Information</b>	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

<b>Spills &amp; Disposal</b>	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. Wash area with water and detergent and absorb with inert material. Dispose of waste safely in an approved landfill.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	This product is a herbicide and spills can damage crops, pastures and desirable vegetation. Prevent contamination of soil and water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: This product must be under the control of an approved handler when any quantity is being used. TRACKING: The person in charge of a place where the substance is sold may sell the substance to a person only if he or she has received confirmation that the person holds a test certificate as an approved handler of the substance. RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3L or more of this product is applied within 24 hours. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. This product must not be applied onto or into water.
<b>Storage</b>	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 1,000L of PRESTIGE require secondary containment, more than 1,000L require emergency response plans and 100L require signage.
<b>Additional information on precautions for use</b>	Do not use for treating turf that will be mown and the clippings used for making compost; or made available for collection for, or deposited at, any green waste recycling centre.

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<b>Packaging</b>	ECOTOXIC - Not to be used on turf
<b>Other Information</b>	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

<b>National Exposure Standards</b>	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product. The NZ MBIE has set WES for the following components: WES TWA for picloram = 10mg/m <sup>3</sup>
<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>Eng. Controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate.
<b>Hygiene Measures</b>	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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Dark brown liquid
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	1.195
<b>pH Value</b>	7.5 - 9.5 (1%w/v)
<b>Flammability</b>	Not flammable
<b>Other Information</b>	(SL) Soluble concentrate

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions of handling and storage.
<b>Hazardous Polymerization</b>	Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No specific toxicological data is available for this product. Data below is for constituents.
<b>Inhalation</b>	The components of the product are of low volatility and no adverse effects are expected from handling the concentrate. When applying the product as a spray avoid breathing in spray mist.
<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.
<b>Skin</b>	Not a skin irritant and not harmful by dermal exposure.
<b>Eye</b>	May irritate the eyes.
<b>Acute Toxicity - Oral</b>	LD50 (rat) is >2,675mg/kg for clopyralid LD50 (mouse) is >1,061mg/kg for picloram
<b>Acute Toxicity - Dermal</b>	LD50 (rabbit) is >2,000mg/kg for clopyralid & picloram
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) is >0.38mg/L for chlopyralid LC50 (rat) is >0.035mg/L for picloram
<b>Other Information</b>	The Australian Acceptable Daily Intake (ADI) for clopyralid for a human is 0.5 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 50 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', March 2013). The Australian Acceptable Daily Intake (ADI) for picloram for a human is 0.07 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 7 mg/kg/day, the level determined to show no effects during

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long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Aust Govt Dept. of Health, Office of Chemical Safety, 'ADI List', March 2013).

## 12. ECOLOGICAL INFORMATION

<b>Basis for Assessment</b>	Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.
<b>Mobility</b>	Picloram is very mobile.
<b>Persistence / Degradability</b>	Clopyralid and picloram are not rapidly degradable.
<b>Bioaccumulation</b>	Clopyralid and picloram are not bioaccumulative. BCF for clopyralid = < 1.0 in 28 days. Log Kow is -2.63 @ pH7 for clopyralid
<b>Acute Toxicity - Fish</b>	LC50 (96h) for rainbow trout = 103.5mg/L for clopyralid LC50 (96h) for lake trout = 1.55mg/L for picloram
<b>Acute Toxicity - Daphnia</b>	EC50 (48h) for daphnia = 225mg/L for clopyralid LC50 for daphnia is 34.4mg/L for picloram
<b>Acute Toxicity - Algae</b>	EC50 (96h) for selenastrum capricornutum = 6.9 mg/L for clopyralid EC50 (96h) for green algae = 36.8 mg/L for picloram
<b>Acute Toxicity - Other Organisms</b>	Birds: LD50 for mallard duck = 1,465mg/L for clopyralid monoethanolamine sat LD50 for mallard duck = >5,000mg/L for picloram Bees: LD50 (48h), (oral and contact) = >100µg/bee for clopyralid LD50 for honeybee = >100µg/bee for picloram Worms: LC50 (14d) for earthworms = >1,000mg/kg soil for clopyralid Practically non toxic to earthworms for picloram
<b>Environmental Fate</b>	Spray drift can cause damage, read the label for more information.

## 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.

## 14. TRANSPORT INFORMATION

<b>Storage and Transport</b>	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs. Not classified as Dangerous Goods for transport in New Zealand.
<b>Other Information</b>	Do not carry more than 1L of PRESTIGE 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

<b>Packaging &amp; Labelling</b>	ECOTOXIC - Not to be used on turf
<b>Hazard Rating Systems</b>	NFPA/HMIS: 2-1-1
<b>Hazard Category</b>	ECOTOXIC HERBICIDE Not to be used on turf
<b>National Legislation</b>	Registered pursuant to the ACVM Act 1997, No. P7823 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 HSR000762 See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval controls.
<b>UK Legislation</b>	<a href="mailto:info@nz.nufarm.com">info@nz.nufarm.com</a>

## 16. OTHER INFORMATION

<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
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# Material Safety Data Sheet

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<b>SDS History</b>	July 2008
<b>Revisions</b>	5 yearly review carried out. Various changes and updates made to document.
<b>Highlighted</b>	
<b>Hazard Category</b>	ECOTOXIC HERBICIDE Not to be used on turf ...End Of MSDS...

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