

Infosafe No™ 3NUIS	Issue Date : October 2023	ISSUED by NUFARMNZ
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 Product Name **PRESTIGE®**

Section 1: Identification

Product Identifier	PRESTIGE®
Product Code	00557
Product Type	Herbicide
Company Name	Nufarm NZ
Address	Central Park, Building 3, Level 4, 666 Great South Road Ellerslie Auckland 1051 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150
Emergency Phone Number	0800 651 911
Email	nzinfo@nufarm.com
Recommended uses and any restrictions on use or supply	For the control of some broadleaf weeds in fodder brassicas and radiata pine.
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.

Section 2: Hazard identification

GHS classification of the substance/mixture	Eye irritation Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 3.
Signal Word (s)	WARNING
Hazard Statement (s)	H319 - Causes serious eye irritation H412 - Harmful to aquatic life with long lasting effects H421 - very toxic to the soil environment H433 - Harmful to terrestrial vertebrates
Precautionary Statement – General	Read Label before use Keep out of reach of children
Pictogram (s)	Exclamation mark, Environment,
 	
Precautionary Statement – Prevention	P264 - Wash face and hands thoroughly after handling P280 - Wear eye protection
Precautionary Statement – Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage
Precautionary Statement – Disposal	P501 - Dispose of contents/container according to the label, or at an approved landfill.

Section 3: Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Clopyralid (as the monoethanolamine salt)	1702-17-6	225 g/L

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

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: 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	May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or exposed to extreme heat.
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. Keep containers cool with water spray.
Specific hazards arising from the chemical	Considered low risk due to water content, however upon evaporation of water the product is combustible.
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. Wash area with water and detergent and absorb with inert material. Dispose of waste safely in an approved landfill.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	This product is a herbicide and spills can damage crops, pastures and desirable vegetation. Prevent contamination of soil and water.

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Section 7: Handling and storage

Precautions for Safe Handling	<p>Avoid contact with skin or eyes, and inhalation of spray mist. CERTIFIED HANDLER: Is not required. TRACKING: Is not required. RESTRICTED TO WORKPLACE: The person in charge of a place where PRESTIGE is sold may sell the substance to a person only if he or she has received written notification that a competent or authorised person at the workplace will accept responsibility of the substance. RECORD KEEPING: Records of use as described in NZS8409 Management of Agrichemicals, must be kept if 3 litres or more of PRESTIGE is used within 24 hours. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow spray drift to occur outside the treated property. This product must not be applied onto or into water.</p>
Conditions for safe storage, including any incompatibilities	<p>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.</p>
Additional information on precautions for use	<p>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.</p>
Other Information	<p>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.</p>

Section 8: Exposure controls/personal protection

Occupational Exposure Limits (OEL)	<p>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/m³</p>
Appropriate Engineering Controls	<p>Handle in well ventilated areas, generally natural ventilation is adequate.</p>
Personal Protective Equipment	<p>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.</p>
Hygiene Measures	<p>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.</p>

Section 9: Physical and chemical properties

Form	Liquid
Appearance	Dark brown liquid
Odour	Information is not available.
Decomposition Temperature	Information is not available.
Melting Point	Clopyralid active ingredient = 151 - 152°C Picloram active ingredient = decomposes at c. 190°C before melting.
Freezing Point	Information is not available.
Boiling Point	Information is not available.
Solubility in Water	Clopyralid active ingredient = 7.85 (in distilled water) Picloram active ingredient = 0.056g/100ml (20°C)

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Specific Gravity	1.195
pH	7.5 - 9.5 (1%w/v)
Vapour Pressure	Clopyralid active ingredient = 1.33mPa Picloram active ingredient = 8 x 10 ⁻¹¹ mPa
Vapour Density (Air=1)	Information is not available.
Odour Threshold	Information is not available.
Partition Coefficient: n-octanol/water	Clopyralid active ingredient Kow logP = -1.81 (pH 5) Picloram active ingredient Kow logP = 1.9 (20°C, 0.1N HCl)
Flash Point	Data not available.
Flammability	Not flammable
Auto-ignition Temperature	Not applicable.
Flammable Limits - Lower	Not applicable.
Flammable Limits - Upper	Not applicable.
Kinematic Viscosity	Information is not available.
Other Information	(SL) Soluble concentrate

Section 10: Stability and reactivity

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

Section 11: Toxicological information

Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Acute Toxicity - Oral	LD50 (rat) is >2,675mg/kg for clopyralid LD50 (mouse) is >1,061mg/kg for picloram
Acute Toxicity - Inhalation	LC50 (rat) (4hr) is >0.38mg/L for clopyralid LC50 (rat) is >0.035mg/L for picloram
Acute Toxicity - Dermal	LD50 (rabbit) is >2,000mg/kg for clopyralid & picloram
Ingestion	The concentrate is of low toxicity if swallowed. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.
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.
Skin Corrosion/Irritation	Not a skin irritant and not harmful by dermal exposure.
Serious Eye Damage/Irritation	May irritate the eyes.
Respiratory Sensitisation	Not a respiratory sensitizer.
Skin Sensitisation	Not a skin sensitizer.
Germ Cell Mutagenicity	Information is not available.
Carcinogenicity	Information is not available.
Reproductive Toxicity	Information is not available.

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STOT - Repeated Exposure	Information is not available.
Aspiration Hazard	Not an aspiration hazard.
Other Information	<p>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', September 2023).</p> <p>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 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', September 2023).</p>

Section 12: Ecological information

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

Section 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.

Section 14: Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Storage and Transport	Not classified as Dangerous Goods for transport in New Zealand.
Other Information	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.

Section 15: Regulatory information

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National and or International Regulatory Information	Registered pursuant to the ACVM Act 1997, No. P7823 See www.foodsafety.govt.nz for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR000762 See www.epa.govt.nz for approval controls.
Packaging and Labelling	WARNING - Not to be used on turf

Section 16: Other information

Date of preparation or last revision of SDS	December 2018
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 Highlighted	5 yearly review carried out. Various changes and updates made to the document to comply with GHS7. ...End Of MSDS...

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