

Infosafe No™ 3NV3X Issue Date : October 2025 ISSUED by NUFARMNZ

Product Name **ARCHER®750**

Section 1 - Identification

Product Identifier	ARCHER®750
Product Code	00100
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	Herbicide for the control of certain broadleaf weeds in a wide range of 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.

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture	Specific target organ toxicity - repeated exposure: Category 1 Hazardous to the terrestrial environment: Hazardous to soil organisms Hazardous to the terrestrial environment: Hazardous to terrestrial vertebrates Hazardous to the aquatic environment chronic Category 3
Signal Word (s)	DANGER
Hazard Statement (s)	H372 Causes damage to the liver through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects. H421 Very toxic to the soil environment. H432 Toxic to terrestrial vertebrates.
Precautionary Statement – General	P101 If medical advice is needed, have product container or label at hand P102 Keep out of reach of children P103 Read label before use
Pictogram (s)	Health hazard, Environment



Precautionary Statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash hands and face thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment.
Precautionary Statement – Response	P314 Get medical advice/attention if you feel unwell. P391 Collect spillage.
Precautionary Statement – Disposal	P501 Dispose of contents/container to an approved landfill.

Section 3 - Composition and Information on Ingredients

Chemical Characterization	Liquid
Ingredients	<u>Name</u> <u>CAS</u> <u>Proportion</u>

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Ingredients	Name	CAS	Proportion
	Clopyralid (present as the dimethylamine and methylamine salts)	1702-17-6	750 g/L
	Other non hazardous ingredients		Balance

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.
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 - Firefighting Measures

Suitable Extinguishing Media	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
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.
Hazchem Code	2Z
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.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent product or washings from entering drains, waterways or sewers, and prevent contamination of soil. This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

Section 7 - Handling and Storage

Precautions for Safe Handling	The person mixing or applying ARCHER 750 must be a 'Qualified Contractor' or 'Qualified Person'. The spray mixture may also be prepared by a 'Qualified
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<p>Conditions for safe storage, including any incompatibilities</p> <p>Additional information on precautions for use</p> <p>Other Information</p>	<p>Loader'</p> <p>It is the duty of the PCBU that a person who uses, handles, manufactures or stores a hazardous substance (including hazardous waste) is provided information, instruction and training in accordance with Regulation 4.5 of the Health and Safety at work (Hazardous Substances) Regulations 2017.</p> <p>Avoid skin and eye contact and inhalation of spray mist.</p> <p>This product must not be applied onto or into water.</p> <p>BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.</p> <p>CERTIFIED HANDLER: Is not required.</p> <p>TRACKING: Is not required.</p> <p>RESTRICTED TO WORKPLACE: A person may use and store the substance only in a workplace.</p> <p>A person may supply the substance only to:</p> <p>(a) a workplace under the management and control of a PCBU, and only if the person has received written notification that a competent person at the workplace will accept responsibility for the substance: or</p> <p>(b) an authorised person, if the person has received written notification that the authorised person will accept responsibility for the substance.</p> <p>RECORD KEEPING: Written record of each application must be kept where members of the public may lawfully be present, or, where the substance is likely to enter air or water and leave the place.</p> <p>A person who supplies the substance must retain the following written records for 12 months from the date of transfer of the substance:</p> <p>(a) the product name or chemical name of the substance transferred; and</p> <p>(b) the identity and address of the competent person or authorised person that received the transferred substance; and</p> <p>(c) the date on which the transfer occurred; and</p> <p>(d) a copy of the notification.</p> <p>A competent person means:</p> <p>(a) a certified handler; or</p> <p>(b) a person who has received information, instruction, and training in accordance with regulation 4.5.</p> <p>An authorised person means a person who holds a permission granted by the Authority under section 95A of the Act to use the substance in a place that is not a workplace.</p> <p>Keep out of reach of children.</p> <p>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.</p> <p>Stores containing 100L of ARCHER 750 are subject to signage, 1,000L require secondary containment and more than 1,000L require emergency response plans.</p> <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, a green waste recycling centre.</p> <p>Always read the label and any attached leaflet before use.</p> <p>Aggregate Storage Volume Thresholds:</p> <p>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>
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Section 8 - Exposure Controls and Personal Protection

<p>Occupational Exposure Limits (OEL)</p> <p>Appropriate Engineering Controls</p>	<p>No Workplace Exposure Standards (WESSs) have been set for clopyralid.</p> <p>No Environmental Exposure Limits (EELs) have been set for substances containing clopyralid.</p> <p>Tolerable Exposure Limits (TELs) have been derived from Acceptable Daily Exposure (ADE) values.</p> <p>ADE for clopyralid is 0.15mg/kg bw/day</p> <p>PDE (food) = 0.105mg/kg bw/day</p> <p>PDE (drinking water) = 0.03mg/kg bw/day</p> <p>Handle in well ventilated areas, generally natural ventilation is adequate.</p>
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Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear safety goggles, chemically resistant 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. Wash splashes of concentrate from skin immediately.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Dark brown clear liquid.
Odour	Information is not available.
Decomposition Temperature	Information is not available.
Melting Point	151-152°C for active ingredient clopyralid.
Boiling Point	Information is not available.
Solubility in Water	Soluble in water.
Specific Gravity	1.284g/ml
pH	6.0-8.0 (1% aq)
Vapour Pressure	1.33mPa (pure, 24°C) for active ingredient clopyralid.
Vapour Density (Air=1)	Information is not available.
Odour Threshold	Information is not available.
Partition Coefficient: n-octanol/water	Kow Log P = -1.81 (pH 5) for active ingredient clopyralid.
Flash Point	No flashing exhibited in ignition test for active ingredient clopyralid.
Flammability	Non combustible material.
Auto-ignition Temperature	Information is not available.
Flammable Limits - Lower	Information is not available.
Flammable Limits - Upper	Information is not available.
Kinematic Viscosity	Information is not available.
Particle Characteristics	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 is not possible.

Section 11 - Toxicological Information

Acute Toxicity - Oral	LD50 (rats) 5000mg/kg for ARCHER 750.
Acute Toxicity - Inhalation	LC50 (rats) (4hr) >5.580mg/L air for ARCHER 750.
Acute Toxicity - Dermal	LD50 (rats) >2000mg/kg for ARCHER 750.
Skin Corrosion/Irritation	Not a skin irritant for active ingredient clopyralid.

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Serious Eye Damage/Irritation	Severe eye irritant for active ingredient clopyralid.
Skin Sensitisation	Information is not available.
Germ Cell Mutagenicity	Information is not available.
Carcinogenicity	Information is not available.
Reproductive Toxicity	Information is not available.
STOT - Single Exposure	Information is not available.
STOT - Repeated Exposure	Causes damage to liver through prolonged or repeated exposure.
Aspiration Hazard	Information is not available.
Other Information	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: Aust Govt Dept. of APVMA, 'ADI List', Edition 1/2024).

Section 12 - Ecological Information

Persistence and Degradability	In soil, microbial degradation occurs; slow degradation occurs in sterile soil. Aerobic soil degradation depends on initial concentration, soil temperature and soil moisture for active ingredient clopyralid.
Mobility	Rapid degradation in soil prevents significant downward movement under normal conditions.
Bioaccumulative Potential	Information is not available.
Acute Toxicity - Fish	LC50 (96h) rainbow trout is 103.5mg/L for active ingredient clopyralid. LC50 (96h) bluegill sunfish is 125.4mg/L for active ingredient clopyralid.
Acute Toxicity - Daphnia	EC50 (48h) is 225mg/L for active ingredient clopyralid.
Acute Toxicity - Algae	EC50 (96h) Selenastrum capricornutum is 6.9(cell count)mg/L for active ingredient clopyralid.
Acute Toxicity - Other Organisms	Birds: LD50 bobwhite quail >2000mg/kg for active ingredient clopyralid. Bees: not toxic to bees. LD50 (48h, oral and contact) >100µg/bee for active ingredient clopyralid. Worms: LC50 (14d) earthworms >1000mg/kg soil for active ingredient clopyralid.

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.
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (clopyralid)
Hazard Class	9
Hazchem Code	2Z
Packaging Method	-
Packing Group	III
EPG Number	-

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IERG Number	47
IMO Marine Pollutant	Yes. Environmentally Hazardous Substance mark required.
IMDG EMS	F-A, S-F
Other Information	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

National and or International Regulatory Information	Registered pursuant to the ACVM Act 1997, No. P9693 See www.foodsafety.govt.nz for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR101372 See www.epa.govt.nz for approval controls.
Packaging and Labelling	READ SAFETY DIRECTIONS BEFORE OPENING OR USING KEEP OUT OF REACH OF CHILDREN

Section 16 - Any Other Relevant Information

Date of preparation or last revision of SDS	October 2024.
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	RESTRICTED TO WORKPLACE statement added to comply with EPA decision on Clopyralid products. ...End Of MSDS...

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