

Infosafe No™ 3NUWK	Issue Date : April 2024	ISSUED by NUFARMNZ
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 Product Name **LATRO® WG**

Section 1 - Identification

Product Identifier	LATRO® WG
Product Code	00345
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 post-emergent control of perennial and annual grasses and broadleaf weeds in grain and silage maize 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	Eye irritation Category 2 Hazardous to the terrestrial environment: Hazardous to soil organisms Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1
Signal Word (s)	WARNING
Hazard Statement (s)	H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H421 Very toxic to soil environment.
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 carefully and follow all instructions.
Pictogram (s)	Exclamation mark, Environment



Precautionary Statement – Prevention	P264 Wash hands and face thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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 to an approved landfill.

Section 3 - Composition and Information on Ingredients

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Nicosulfuron	111991-09-4	750 g/kg

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Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined to be non-hazardous	-	250 g/kg

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. No known antidote.

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Dry chemical, Water fog, Carbon dioxide
Hazards from Combustion Products	On burning will emit toxic fumes. If involved in a fire, it will emit oxides of nitrogen, oxides of sulphur and possibly halogen derivatives may be formed.
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. 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. Wash area with water and absorb with further inert material and collect in sealable container for disposal.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers. This product is a herbicide and spills can damage crops, pastures and desirable vegetation. Prevent contamination of soil and water.

Section 7 - Handling and Storage

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Precautions for Safe Handling	<p>The person mixing or applying this product must be a 'Qualified Contractor' or a 'Qualified Person'. The spray mixture may also be prepared by a 'Qualified Loader'. For more information refer to the Hazardous Substances (Hazardous Property Controls) Notice 2017. 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. Do not apply directly onto or into water.</p> <p>BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow drift to occur outside target area.</p> <p>CERTIFIED HANDLER: Is not required.</p> <p>TRACKING: Is not required.</p> <p>RECORD KEEPING: Records of use as described in the NZS 8409 Management of Agrichemicals must be kept if more than 3kg of Latro WG is applied within 24 hours.</p>
Conditions for safe storage, including any incompatibilities	<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. Avoid temperatures below -5°C or above 35°C. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100kg of LATRO WG are subject to signage, and more than 100kg requires emergency response plans.</p>
Other Information	<p>Always read the label and any attached leaflet before use.</p> <p>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 and Personal Protection

Occupational Exposure Limits (OEL)	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
Appropriate Engineering Controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Respiratory Protection	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
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. Wash splashes of concentrate from skin immediately.

Section 9 - Physical and Chemical Properties

Form	Solid
Appearance	Off-white granule.
Odour	Non-specific
Decomposition Temperature	Information is not available.
Melting Point	169-172°C for active ingredient nicosulfuron.
Solubility in Water	Disperses in water. Not soluble.
pH	5.0-7.0
Vapour Pressure	<8 x 10 ⁻⁷ mPa (25°C) for active ingredient nicosulfuron.

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Vapour Density (Air=1)	Information is not available.
Odour Threshold	Information is not available.
Partition Coefficient: n-octanol/water	KowlogP = -1.8 (pH7) for active ingredient nicosulfuron.
Density	0.56g/mL
Flash Point	>200°C for active ingredient nicosulfuron.
Flammability	Not flammable.
Auto-ignition Temperature	Information is not available.
Flammable Limits - Lower	Information is not available.
Flammable Limits - Upper	Information is not available.
Explosion Properties	Not explosive
Initial Boiling Point and Boiling Range	Information is not available.
Kinematic Viscosity	Information is not available.
Particle Characteristics	Information is not available.
Relative Density	S.g./density 0.313 (bulk) for active ingredient nicosulfuron.
Other Information	(WG) Water Dispersible Granule

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Temperature extremes.
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) >5,000 mg/kg for nicosulfuron
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >5.47 mg/l for nicosulfuron
Acute Toxicity - Dermal	LD50 (rat) >2,000 mg/kg for nicosulfuron
Skin	Not classified.
Corrosion/Irritation	
Serious Eye Damage/Irritation	Eye irritant.
Respiratory Sensitisation	Data not available
Skin Sensitisation	Not a sensitiser.
Germ Cell Mutagenicity	Information is not available.
Carcinogenicity	Information is not available.
Reproductive Toxicity	Information is not available.
STOT - Repeated Exposure	Information is not available.

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Aspiration Hazard Information is not available.

Section 12 - Ecological Information

Persistence and Degradability Not readily biodegradable.

Mobility Nicosulfuron is considered mobile in soil.

Bioaccumulative Potential Nicosulfuron is not considered bioaccumulative.

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 (96hr) for rainbow trout is 65.7 mg/l for nicosulfuron

Acute Toxicity - Daphnia LC50 (48h) for daphnia = 90mg/L for nicosulfuron

Acute Toxicity - Algae NOEC (96h) for green algae is 100mg/L for nicosulfuron

Acute Toxicity - Other Organisms LD50 for bobwhite quail is >2000 mg/kg for nicosulfuron
 Bees: LD50 (contact) = >76µg/bee for nicosulfuron
 Worms: LC50 (14d) earthworm = >1,000mg/kg for nicosulfuron

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 3077

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (nicosulfuron)

Hazard Class 9

Hazchem Code 2Z

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 more than 3kg of LATRO WG 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

National and or International Regulatory Information Registered pursuant to the ACVM Act 1997, No. P9265
 See www.foodsafety.govt.nz for registration conditions
 Approved pursuant to the HSN0 Act 1996, Approval Code HSR007864
 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

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**Date of preparation
or last revision of
SDS** April 2019.

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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