



Infosafe No™ 3NUWK	Issue Date : April 2019	ISSUED by NUFARM
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 Product Name **LATRO® WG**

## 1. Identification

<b>GHS Product Identifier</b>	LATRO® WG
<b>Product Code</b>	00345
<b>Product Type</b>	Herbicide
<b>Company Name</b>	Nufarm NZ
<b>Address</b>	6 Manu Street, Otahuhu Auckland 2024 New Zealand
<b>Telephone/Fax Number</b>	Tel: 0-9-270 4150
<b>Emergency phone number</b>	0800 651 911
<b>Email</b>	nzinfo@nufarm.com
<b>Recommended use of the chemical and restrictions on use</b>	For post-emergent control of perennial and annual grasses and broadleaf weeds in grain and silage maize crops.
<b>Other Information</b>	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

<b>Signal Word (s)</b>	WARNING
<b>Hazard Statement (s)</b>	H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H421 Very toxic to soil environment.
<b>General Precautionary Statement (s)</b>	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.
<b>Pictogram (s)</b>	Exclamation mark, Environment, <div style="display: flex; justify-content: center; gap: 20px; margin: 10px 0;">   </div>
<b>Precautionary statement – Prevention</b>	P264 Wash hands, face and exposed skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection.
<b>Precautionary statement – Response</b>	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.
<b>Other Information</b>	6.4A eye irritant, 9.1A aquatic toxicant, 9.2A soil toxicant, Selective herbicide - very toxic to some plant species.

## 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Solid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Nicosulfuron	111991-09-4	750 g/kg
	Ingredients determined to be non-hazardous	-	250 g/kg

## 4. First-aid measures

<b>First Aid Measures</b>	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.
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<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<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 contact</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. No known antidote.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Dry chemical, Water fog, Carbon dioxide
<b>Hazards from Combustion Products</b>	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.
<b>Special Protective Equipment for fire fighters</b>	Full protective clothing and self-contained breathing apparatus.
<b>Specific Methods</b>	Keep up wind. Do not allow washings to reach sewage or effluent systems. Keep containers cool with water spray.
<b>Hazchem Code</b>	2Z
<b>Decomposition Temp.</b>	Not available.
<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. 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.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	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.

## 7. Handling and storage

<b>Precautions for Safe Handling</b>	The person mixing or applying Latro WG 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. Avoid skin and eye contact and inhalation of spray mist. CERTIFIED HANDLER: Is not required. 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. Do not allow drift to occur outside
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<b>Conditions for safe storage, including any incompatibilities</b>	target area. Do not apply LATRO WG onto or into water. 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. 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.
<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>Occupational exposure limit values</b>	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
<b>Appropriate engineering controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate.
<b>Respiratory Protection</b>	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
<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>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>Form</b>	Solid
<b>Appearance</b>	Off-white granule.
<b>Odour</b>	Non-specific
<b>Decomposition Temperature</b>	Not available.
<b>Melting Point</b>	Not Available.
<b>Boiling Point</b>	Not applicable.
<b>Solubility in Water</b>	Disperses in water. Not soluble.
<b>pH</b>	5.0-7.0
<b>Vapour Pressure</b>	<8 x 10 <sup>-7</sup> mPa (25°C) for nicosulfuron.
<b>Vapour Density (Air=1)</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	KowlogP=-1.8 (pH7) for nicosulfuron
<b>Density</b>	0.56g/mL
<b>Flash Point</b>	Not available.
<b>Flammability</b>	Not flammable.
<b>Auto-Ignition Temperature</b>	Not available.
<b>Explosion Properties</b>	Not explosive
<b>Kinematic Viscosity</b>	Not available.
<b>Other Information</b>	(WG) Water Dispersible Granule

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal conditions of handling and storage.
<b>Conditions to Avoid</b>	Temperature extremes.

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<b>Hazardous Polymerization</b>	Hazardous polymerisation will not occur.
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## 11. Toxicological Information

<b>Toxicology Information</b>	No specific toxicological data is available for this product. Data below is for constituents.
<b>Acute Toxicity - Oral</b>	LD50 (rat) >5,000 mg/kg for nicosulfuron
<b>Acute Toxicity - Dermal</b>	LD50 (rat) >2,000 mg/kg for nicosulfuron
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) >5.47 mg/l for nicosulfuron
<b>Respiratory sensitisation</b>	Data not available
<b>Skin Sensitisation</b>	Not a sensitiser.
<b>Germ cell mutagenicity</b>	Data not available.
<b>Carcinogenicity</b>	Data not available.
<b>Reproductive Toxicity</b>	Data not available.
<b>STOT-repeated exposure</b>	Data not available.
<b>Aspiration Hazard</b>	Data not available.
<b>Serious eye damage/irritation</b>	Eye irritant.
<b>Skin corrosion/irritation</b>	Not classified.

## 12. Ecological information

<b>Persistence and degradability</b>	Not readily biodegradable.
<b>Mobility</b>	Nicosulfuron is considered mobile in soil.
<b>Bioaccumulative Potential</b>	Nicosulfuron is not considered bioaccumulative.
<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>Acute Toxicity - Fish</b>	LC50 (96hr) for rainbow trout is 65.7 mg/l for nicosulfuron
<b>Acute Toxicity - Daphnia</b>	LC50 (48h) for daphnia = 90mg/L for nicosulfuron
<b>Acute Toxicity - Algae</b>	NOEC (96h) for green algae is 100mg/L for nicosulfuron
<b>Acute Toxicity - Other Organisms</b>	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

## 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>Transport Information</b>	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
<b>U.N. Number</b>	3077
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (nicosulfuron, 75%)
<b>Transport hazard class(es)</b>	9



# Safety Data Sheet

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<b>Hazchem Code</b>	2Z
<b>Packaging Method</b>	-
<b>Packing Group</b>	III
<b>EPG Number</b>	-
<b>IERG Number</b>	47
<b>IMO Marine Pollutant</b>	Yes. Environmentally Hazardous Substance mark required.
<b>IMDG EMS</b>	F-A, S-F
<b>Other Information</b>	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.

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## 15. Regulatory information

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<b>National and or International Regulatory Information</b>	Registered pursuant to the ACVM Act 1997, No. P9265 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 HSR007864 See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval controls.
<b>Hazard Rating Systems</b>	NFPA/HMIS: 2-1-0

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## 16. Other Information

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<b>Date of preparation or last revision of SDS</b>	November 2016.
<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
<b>Revisions Highlighted</b>	The SDS was reviewed to include GHS requirements.  ...End Of MSDS...

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