



Infosafe No™ 3NUHF Issue Date : October 2013 APPROVED by NUFARMNZ

Product Name **LATRO® 750WG**

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

Product Name LATRO® 750WG
Product Code 00433
Product Use For post-emergent control of perennial and annual grasses and broadleaf weeds in grain and silage maize crops.
Company Name Nufarm NZ
Address 6 Manu Street, Otahuhu
Auckland 2024 New Zealand
Emergency Tel. 0800 651 911
Telephone Number/Fax Tel: 0-9-270 4150
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 Solid
Characterization
Ingredients

<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

3. HAZARDS IDENTIFICATION

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

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.

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.

5. FIRE FIGHTING MEASURES

Extinguishing Media Dry Chemical, Water fog, Carbon dioxide
Specific Methods Keep up wind. Do not allow washings to reach sewage or effluent systems.

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Hazardous Combustion Products Protective Equipment	<p>Keep containers cool with water spray. 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.</p>
Other Information	<p>Full protective clothing and self-contained breathing apparatus.</p> <p>Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable</p>

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	<p>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.</p>
Personal Protection	<p>For appropriate personal protective equipment (PPE), refer Section 8.</p>
Environmental Precautions	<p>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.</p>

7. HANDLING AND STORAGE

Handling	<p>Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: This product must be under the control of an approved handler if applied in a wide dispersive manner, or used by a commercial contractor. TRACKING: Is not required RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3kg or more is applied within 24 hours. 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 the target area. Do not apply LATRO 750WG onto or into water.</p>
Storage	<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 100kg of LATRO 750WG are subject to signage, and more than 100kg require emergency response plans.</p>
Packaging	<p>ECOTOXIC</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>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	<p>No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.</p>
Respiratory Protection	<p>Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.</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>
Eng. Controls	<p>Handle in well ventilated areas, generally natural ventilation is adequate.</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>

9. PHYSICAL AND CHEMICAL PROPERTIES



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Product Name **LATRO® 750WG**

Appearance Off-white granule
Odour Non-specific
Melting Point >150°C
Solubility in Water Disperses in water. Not soluble.
pH Value 5.4
Density 0.45g/mL
Explosion Limit - Upper Explosion limits not established.
Other Information (WG) Water Dispersible Granule

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions of handling and storage.
Hazardous Polymerization Hazardous polymerisation will not occur.
Conditions to Avoid Temperature extremes.

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 - Dermal LD50 (rat) >2,000 mg/kg for nicosulfuron
Acute Toxicity - Inhalation LC50 (rat) (4hr) 5.47 mg/l for nicosulfuron
Eye Irritation May cause irritation.
Skin Irritation Prolonged contact may cause slight irritation.
Skin Sensitisation Not a sensitiser.

12. ECOLOGICAL INFORMATION

Basis for Assessment Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.
Mobility Nicosulfuron is considered mobile in soil.
Bioaccumulation Nicosulfuron is not considered bioaccumulative.
Acute Toxicity - Fish LC50 (96hr) for bluegill sunfish is >1,000 mg/l for nicosulfuron
Acute Toxicity - Daphnia LC50 (48h) for daphnia = 1,000mg/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 >2,250 mg/kg for nicosulfuron
Bees: LD50 (contact) = >20µg/bee for nicosulfuron
Worms: LC50 (14d) earthworm = >1,000mg/kg for nicosulfuron

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.

14. TRANSPORT INFORMATION

It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
U.N. Number 3077
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (nicosulfuron, 75%)



Material Safety Data Sheet

infosafe
CS: 1.7.2

Page: 4 of 4

Infosafe No™ 3NUHF Issue Date : October 2013 APPROVED by NUFARMNZ

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DG Class	9
Hazchem Code	2X
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 750WG 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

Packaging & Labelling	ECOTOXIC
Hazard Rating Systems	NFPA/HMIS: 2-1-0
Hazard Category	ECOTOXIC
National Legislation	Registered pursuant to the ACVM Act 1997, No. P7603 See www.foodsafety.govt.nz for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR007864 See www.epa.govt.nz for approval controls.
UK Legislation	info@nz.nufarm.com

16. OTHER INFORMATION

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
SDS History	November 2007
Revisions	5 yearly review carried out. Various changes and updates made to document.
Highlighted Hazard Category	ECOTOXIC ...End Of MSDS...

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