



Section 1 – Identification of the substance/preparation and the company

Product Name: FORMAIZE (Nicosulfuron 750 WDG)
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: AFMH0005
Recommended Use: For post-emergent control of perennial and annual grasses and broadleaf weeds in grain and silage maize crops

Section 2 – Hazard Identification

GHS Classifications: Eye irritation Category 2
Hazardous to the aquatic environment acute Category 1
Hazardous to the aquatic environment chronic Category 1
Hazardous to soil organisms

GHS Pictograms:



Hazard Statements: H319 Causes serious eye irritation
H410 Very toxic to aquatic life with long lasting effects
H421 Very toxic to the soil environment

Prevention Statements: P103 Read label before use
P264 Wash hands thoroughly after handling
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection

Response Statements: 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

Signal Word: WARNING

EPA NZ Approval Code: HSR007864

Section 3 – Composition Information

Substance/Mixture: Mixture
Hazardous components

Chemical name	CAS-No.	Concentration (%)
Nicosulfuron	111991-09-4	75%
Other ingredients	Not applicable	Up to 100%

IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



Section 4 – First Aid Measures

- If inhaled:** Move person to fresh air.
- If swallowed:** Call the National Poison control centre or doctor immediately for treatment advice. Do NOT induce vomiting.
- If on skin:** Remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN.
- If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If medical advice is needed, have product container or label at hand. POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

Section 5 – Fire-fighting Measures

- Fire And Explosion Hazard:** Not flammable. No risk of an explosion from this product under normal circumstances when involved in a fire.
- Suitable Extinguishing Media:** Dry powder, water spray, carbon dioxide (CO₂) or foam.
- Special Protective Actions for Fire Fighters:** Remove spectators from the surrounding area. Remove the container from fire area if possible. Fight fire from maximum distance. For massive fire, use an unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Water can be used to cool unaffected containers but must be contained for later disposal. Avoid inhaling hazardous vapours. Keep upwind.
- Personal Protective Equipment:** Fire may produce irritating or poisonous vapors, mists or other products of combustion. Fire-fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

Section 6 – Accidental Release Measures

- Environmental Precautions:** Washing must be prevented from entering surface water drains.
- Methods and Materials for Containment and Cleaning Up:** Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water, and flush to a sewer serviced by a wastewater treatment facility, if that facility is permitted to treat such wastewaters. Washings must be prevented from entering surface water drains

IN CASE OF EMERGENCY PHONE

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



Section 7– Handling and Storage

Precautions For Safe Handling:

Remove sources of naked flame or sparks. Avoid contact with eyes and skin and inhalation of fumes. Use with adequate ventilation. Wash hands before eating, drinking, smoking or using the toilet. Operators should change and wash clothing daily. Remove clothing immediately if the herbicide gets inside. Then wash skin thoroughly using a non-abrasive soap and put on clean clothing. Do not apply directly to areas where surface water is present, or to intertidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination. Avoid release to the environment. Collect spillage.

Conditions For Safe Storage, Including Any Incompatibilities:

Store in the original container in a locked, dry, cool, area away from foodstuffs, fertilizers and seeds. Avoid storage at temperatures below 5°C and above 35°C. Stores containing more than 100 Kg of FORMAIZE require signage and more than 100 Kg require emergency response plans. Avoid release to the environment. Collect spillage.

Section 8 – Exposure Controls/Personal Protection

Personal Precautionary Measures

Engineering Measures:

Ventilation required. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

Hygiene Measures:

Wash hands thoroughly after handling. Wash clothing separately before re-use.

Personal Protective Equipment:

Respiratory System:

During spraying, wear suitable respiratory equipment.

Skin And Body:

Wear suitable protective clothing.

Hands:

Wear suitable gloves.

Eyes:

Wear safety goggles or face shield.

Section 9 – Physical and Chemical Properties

Appearance:

Granule

Colour:

Off-white

Odour:

Odourless

Ph:

4.0-8.0 (1% w/v dilution in water)

Vapour Pressure:

8.00 X 10⁻⁷ mPa at a temperature of 25°C

Bulk Density:

0.64-0.67 g/cm³

IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



Section 10 – Stability and Reactivity

Chemical Stability:	Relatively stable in neutral, weakly acidic and weakly alkaline media
Storage Stability:	Stable under normal storage conditions in original container for at least two years
Compatibility:	Compatible with most herbicide formulations except very strong acid/alkaline formulations
Hazardous Decomposition Products:	None

Section 11 – Toxicological Information

Numerical measures of toxicity :

Acute oral LD50:	> 4640 mg/kg
Acute dermal LD50:	> 2150 mg/kg
Acute inhalation LC50 (4h):	> 5.6 mg/L
Skin irritation:	Non-irritating
Eye irritation:	Mild irritant

Section 12 - Ecological Information

Ecotoxicity:

Toxicity to birds:	Quail: >2250 mg/kg.
Toxicity to fish:	LC50 (96 hours): Bluegill sunfish >1000 mg/L Rainbow trout >1000 mg/L
Toxicity to bee:	LD50 (Contact): 20 µg/bee
Toxicity to daphnia:	LC50 (48 hours) :> 100 mg/L.
Toxicity to algae:	NOEC (96 hours): 100 mg/L
Toxicity to earthworms:	LC50 (14 days): >1000 mg/kg soil

Section 13 – Disposal Considerations

Product Disposal: Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Donaghys is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit www.agrecovery.co.nz



Section 14 – Transport Information

Dangerous Goods Classification

UN Number:	3077
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Nicosulfuron)
Road transport: ADR/IRD	
Class:	9
Packing group:	III
HAZCHEM Code:	2Z
Maritime transport: IMDG/IMO	
Class:	9
Packing group:	III
HAZCHEM Code:	2Z

Section 15 – Regulatory Information

ERMA NZ Registration Code:	HSR007864 See http://www.epa.govt.nz for approval conditions
NZFSA Approval Number:	P008974 See www.foodsafety.govt.nz for registration conditions

Section 16 – Other Information

The data given here is based on current knowledge and experience. The purpose of this safety data sheets is to describe the products in terms of their safety requirement. The data does not signify any warranty with regard to the products' properties.

The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Donaghys Ltd for more information.

EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)