



# Application Form: HS2/2 Import or Manufacture any Hazardous Substance for Release by Rapid Assessment

under section 28A of the Hazardous Substances and New Organisms Act 1996, under the criterion that is 'similar' to a substance with an existing HSNO approval.

**Note:** Use this form for a rapid release **similar and reduced hazard** application (under section 28A(2)(a) and 28A(2)(c) of the HSNO Act). Use form **HS1/1** for a rapid release **low hazard** application (under section 28A(2)(b) of the HSNO Act).

Send by post to: Environmental Protection Authority, PO Box 131, Wellington 6140

OR email to: [HSApplications@epa.govt.nz](mailto:HSApplications@epa.govt.nz)

Payment must accompany application: see our fees and charges schedule for details. Please allow 10 working days for processing.

**Applicant:**

Tui Products Limited

**Name of substance:**

Tui Targeted Hydrocotyle Weed Eliminator for Lawns

**APPLICANT CHECKLIST**

Mandatory sections filled out

Appendices enclosed

Initial fees enclosed

Signed and dated

Electronic copy of application  
emailed to EPA

**Office use only**

Application code:

Date received:

EPA NZ contact:

Initial fees paid: \$

Application version no.:

## Important

1. You can talk to an applications advisor at the EPA, who can help you scope and prepare your application. We need all relevant information early on in the application process. Quality information up front will speed up the process.
2. Any extra material that does not fit in the application form must be clearly labelled, cross-referenced, and included in an appendix to the application form.
3. Commercially sensitive information must be collated in a separate appendix.
4. Unless otherwise indicated, all sections of this form must be completed for the application to be progressed.
5. Applicants must sign the form and enclose the correct application fee. The initial application fee can be found in our published Schedule of Fees and Charges: <http://www.epa.govt.nz/about-us/fees/Pages/Hazardous-Substances-fees-schedule.aspx>. Make sure that you have an up-to-date copy of the Schedule. Please check with EPA staff. We are unable to process applications that do not contain the correct fee.
6. You can get more information at any time by contacting us. One of our staff members will be able to help you.

Environmental Protection Authority  
Private Bag 63002  
Wellington  
New Zealand  
Telephone: 64 4 916 2426  
Facsimile: 64 4 914 0433  
Email: [HSAApplications@epa.govt.nz](mailto:HSAApplications@epa.govt.nz)  
<http://www.epa.govt.nz>

## Section 1 – Applicant details

### 1.1 Name and postal address in New Zealand of the organisation making the application:

Name: Tui Products Limited  
Address: PO Box 4404, Mount Maunganui South 3116  
Phone: (07) 575 2160  
Fax: (07) 575 8462

### 1.2 The applicant's location address in New Zealand (if different from above):

Address: 26 Hull Road  
Mount Maunganui 3116

### 1.3 Name of the contact person for the application:

This person should have sufficient knowledge to respond to queries and either have the authority to make decisions on behalf of the applicant that relate to processing the application, or have the ability to go to the appropriate authority.

Name: Jeanette Drysdale  
Position: Consultant  
Address: PO Box 72 275, Papakura 2244  
Phone: (09) 299 9435  
Fax: (09) 299 6434  
Email: drysdale\_ja@xtra.co.nz

## Section 2 – Application type and related approvals required

**2.1 The EPA may make a ‘rapid assessment’ of an application to import or manufacture a hazardous substance for release if certain criteria apply. You need to confirm that the following criterion applies and provide reasons in support of this.**

The application is for a substance(s) that has a similar composition and similar hazardous properties to an approved, existing substance.

Yes  No

The new substances are intended for the home garden for use as a herbicide for weed control on lawns. The reference product is a higher concentration of active ingredient and is also used for weed control.

The justification for claiming that the rapid assessment criterion has been met is that the Tui Targeted Hydrocotyle Weed Eliminator for Lawns is a lower concentration of the active ingredient than the reference approved substance (HSR000829) and consequently the hazardous classifications differ.

**2.2 Identify the substance with an existing approval for which you wish to use as the reference substance(s). Note you will need to supply an approval number. Applicants will probably find it convenient to cross-reference their response to the details in later sections of the application.**

HSR000829 ; Emsulsifiable concentrate containing 600 g/litre triclopyr as the butoxyethyl ester (Substance A)

**2.3 Is the information in this application relevant to import, manufacture or both?**

Import only?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Manufacture only?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Import and manufacture?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If import only, indicate whether or not manufacture is likely in New Zealand:	<input type="checkbox"/> Yes	<input type="checkbox"/> No

**2.4 If the application relates to manufacture in New Zealand, provide comparative information on the proposed manufacturing process and any alternatives for the substance(s) being applied for and for the reference substance(s) if relevant.**

Manufacture requires the dilution of a liquid concentrate of an existing approved substance. Refer Sections 2 and 3 of the Confidential Appendix.

**2.5 If this substance(s) needs an approval under any other legislation, has an application for this approval been made?**

(Optional)

**Name of approval**

**Application made**

Agricultural Compounds and Veterinary Medicines Act 1997

Yes  No  NA

Food Act 1981

Yes  No  NA

Medicines Act 1981

Yes  No  NA

Chemical Weapons (Prohibition) Act 1996

Yes  No  NA

Radiation Protection Act 1965

Yes  No  NA

Biosecurity Act 1993

Yes  No  NA

Resource Management Act 1991

Yes  No  NA

Other (please specify):

Yes  No

Yes  No

Yes  No

## Section 3 – Information on the substance(s)

### 3.1 State the unequivocal identification of the proposed substance(s) and of the reference substance(s).

The composition of the reference substance and Tui Targeted Hydrocotyle Weed Eliminator for Lawns are provided in Sections 2 and 3 of the Confidential Appendix.

	Reference substance HSR000829	Tui Targeted Hydrocotyle Weed Eliminator for Lawns
Active	Triclopyr butoxyethyl ester (CAS No 64700-56-7)  Expressed as triclopyr 600 g/L (CAS No 55335-06-3)	Triclopyr butoxyethyl ester (CAS No 64700-56-7)  Expressed as triclopyr 120 g/L (CAS No 55335-06-3)

### 3.2 Provide comparative information on the chemical and physical properties of the proposed substance(s) and of the reference substance(s).

	Reference substance HSR000829	Tui Targeted Hydrocotyle Weed Eliminator for Lawns
Form	Liquid	Liquid
Appearance	Clear light brown	Pale amber
Formulation	Emulsifiable concentrate	Emulsifiable concentrate
Flashpoint	Non flammable (FP 95°C)	Non flammable
Density	1.20	1.04
pH specification	Unknown	6.5 – 7.0

**3.3 Provide comparative information on the hazardous properties of the proposed substance(s) and the reference substance(s).**

The next table compares the hazardous classifications of the reference substance with the Tui Targeted Hydrocotyle Weed Eliminator for Lawns.

Hazardous Property	Reference substance HSR000829	Tui Targeted Hydrocotyle Weed Eliminator for Lawns
Class 1 Explosiveness	Not triggered	Not triggered
Class 2 or 3 Flammability	Not triggered	Not triggered
Class 5 Oxidising properties	Not triggered	Not triggered
Class 6 Toxicity	6.1D (oral) 6.3B (skin irritant) 6.4A (eye irritant) 6.5B (contact sensitiser) 6.9B ( may cause damage to organs)	6.1E (oral) - 6.4A (eye irritant) 6.5B (contact sensitiser) 6.9B (may cause damage to organs)
Class 8 Corrosiveness	Not triggered	Not triggered
Class 9 Ecotoxicity	9.1A (highly toxic in aquatic environment) 9.2A (highly toxic in soil environment) 9.3C (harmful to terrestrial vertebrates)	9.1B (toxic in the aquatic environment) 9.2A (highly toxic in soil environment) -

The Tui Targeted Hydrocotyle Weed Eliminator for Lawns and the reference substance have some hazardous classifications in common (i.e. 6.4A, 6.5B, 6.9B, 9.2A). The Tui Targeted Hydrocotyle Weed Eliminator for Lawns has lesser concentration for acute toxicity (6.1E) and aquatic toxicity (9.1B) and does not trigger skin irritancy or terrestrial vertebrate hazardous classifications.

The justification for the proposed classifications for the Tui Targeted Hydrocotyle Weed Eliminator for Lawns is provided in Section 3 of the Confidential Appendix.

### 3.4 Identification of the default Controls on the substance(s).

The Default Controls for the reference product and the Tui Targeted Hydrocotyle Weed Eliminator for Lawns are compared in the next table. Most Controls applicable to the reference substance would also apply to the proposed new substance.

The Tui Targeted Hydrocotyle Weed Eliminator for Lawns has a significantly lower concentrations of the active ingredients than the reference substance. However the 9.2A (soil ecotoxicity) classification that is expected to apply to the Tui Targeted Hydrocotyle Weed Eliminator for Lawns triggers an Approved Handler Control. If this control is replaced by an approved handler only being required if the substance were applied in a wide dispersive manner, or by a commercial contractor, then this would not impact negatively on the proposed sale to and use by home gardeners.

Approved Controls for Reference substance HSR000829	Default Controls for Tui Targeted Hydrocotyle Weed Eliminator for Lawns
<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulation 2001</b>	
T1 Regs 11-27 Limiting exposure to toxic substances through setting of TELs - No ADE, PDE or TEL set	T1 Regs 11-27 Limiting exposure to toxic substances through setting of TELs
T2 Regs 29,30 Controlling exposure in places of work through setting of WES's	T2 Regs 29,30 Controlling exposure in places of work through setting of WES's
T4 Reg 7 Requirements for equipment used to handle substances	T4 Reg 7 Requirements for equipment used to handle substances
T5 Reg 8 Requirements for protective clothing and equipment	T5 Reg 8 Requirements for protective clothing and equipment
T7 Reg 10 Restrictions on the carriage of toxic or corrosive substances on passenger service vehicles	T7 Reg 10 Restrictions on the carriage of toxic or corrosive substances on passenger service vehicles
<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001</b>	
E1 Regs 32 -45 Limiting exposure to ecotoxic substances through the setting of EEL's - Deleted; no EEL's set	E1 Regs 32 -45 Limiting exposure to ecotoxic substances through the setting of EEL's Deleted; no EEL's set
E2 Regs 46 -48 Restrictions on use of substances in application areas	E2 Regs 46 -48 Restrictions on use of substances in application areas



<b>Approved Controls for Reference substance HSR000829</b>	<b>Default Controls for Tui Targeted Hydrocotyle Weed Eliminator for Lawns</b>
E5 Reg 5(2), 6 Requirements for keeping records of use	E5 Reg 5(2), 6 Requirements for keeping records of use
E6 Reg 7 Requirements for equipment used to handle substances	E6 Reg 7 Requirements for equipment used to handle substances
E7 Reg 9 Quantities of ecotoxic substances that require an approved handler – <i>Approved handler required when substance is (a) applied in wide dispersive manner, or (b) used by commercial contractor</i>	E7 Reg 9 Quantities of ecotoxic substances that require an approved handler
<b>Hazardous Substances (Identification) Regulations 2001</b>	
I1 Regs 6, 7, 32 – 35, 36(1) – (7) Identification requirements, duties of person in charge, accessibility, comprehensibility, clarity and durability	I1 Regs 6, 7, 32 – 35, 36(1) – (7) Identification requirements, duties of person in charge, accessibility, comprehensibility, clarity and durability
I3 Reg 9 Priority identifiers for ecotoxic substances	I3 Reg 9 Priority identifiers for ecotoxic substances
I8 Reg 14 Priority identifiers for toxic substances	I8 Reg 14 Priority identifiers for toxic substances
I9 Reg 18 Secondary identifiers for all hazardous substances	I9 Reg 18 Secondary identifiers for all hazardous substances
I11 Reg 20 Secondary identifiers for ecotoxic substances	I11 Reg 20 Secondary identifiers for ecotoxic substances
I16 Reg 25 Secondary identifiers for toxic substances	I16 Reg 25 Secondary identifiers for toxic substances
I17 Reg 26 Use of generic names	
I18 Reg 27 Requirements for using concentration names	
I19 Regs 29 -31 Additional information requirements, including situations where substances are in multiple packaging	I19 Regs 29 -31 Additional information requirements, including situations where substances are in multiple packaging
I20 Reg 36 (8) Durability of information for class 6.1 substances	
I21 Reg 37 – 39, 47 – 50 General documentation requirements	I21 Reg 37 – 39, 47 – 50 General documentation requirements
I23 Reg 41 Specific documentation requirements for ecotoxic substances	I23 Reg 41 Specific documentation requirements for ecotoxic substances
I28 Reg 46 Specific documentation requirements for toxic substances	I28 Reg 46 Specific documentation requirements for toxic substances
I29 Reg 51, 52 Signage requirements	I29 Reg 51, 52 Signage requirements
I30 Reg 53 Advertising corrosive and toxic substances	I30 Reg 53 Advertising corrosive and toxic substances
<b>Hazardous Substances (Packaging) Regulations 2001</b>	
P1 Regs 5, 6, 7(1), 8 General packaging requirements	P1 Regs 5, 6, 7(1), 8 General packaging requirements
P3 Reg 9 Criteria that allow substances to be packaged to a standard not meeting Packing Group I, II or III criteria	P3 Reg 9 Criteria that allow substances to be packaged to a standard not meeting Packing Group I, II or III criteria

<b>Approved Controls for Reference substance HSR000829</b>	<b>Default Controls for Tui Targeted Hydrocotyle Weed Eliminator for Lawns</b>
P13 Reg 19 Packaging requirements for toxic substances	P13 Reg 19 Packaging requirements for toxic substances
P15 Reg 21 Packaging requirements for ecotoxic substances	P15 Reg 21 Packaging requirements for ecotoxic substances
<b>Hazardous Substances (Packaging) Regulations 2001</b>	
Schedule 3 Packaging requirements equivalent to UN Packing Group III	Schedule 3 Packaging requirements equivalent to UN Packing Group III
<b>Hazardous Substances (Disposal) Regulations 2001</b>	
D4 Reg 8 Disposal regulations for toxic and corrosive substances	D4 Reg 8 Disposal regulations for toxic and corrosive substances
D5 Reg 9 Disposal requirements for ecotoxic substances	D5 Reg 9 Disposal requirements for ecotoxic substances
D6 Reg 10 Disposal requirements for packages	D6 Reg 10 Disposal requirements for packages
D7 Regs 11, 12 Information requirements for manufacturers, importers and suppliers, and persons in charge	D7 Regs 11, 12 Information requirements for manufacturers, importers and suppliers, and persons in charge
D8 Reg 13, 14 Documentation requirements for manufacturers, importers and suppliers, and persons in charge	D8 Reg 13, 14 Documentation requirements for manufacturers, importers and suppliers, and persons in charge
<b>Hazardous Substances (Emergency Management) Regulations 2001</b>	
EM1 Regs 6, 7, 9 -11 Level 1 information for suppliers and persons in charge	EM1 Regs 6, 7, 9 -11 Level 1 information for suppliers and persons in charge
EM6 Reg 8(e) Information requirements for toxic substances	EM6 Reg 8(e) Information requirements for toxic substances
EM7 Reg 8(f) Information requirements for ecotoxic substances	EM7 Reg 8(f) Information requirements for ecotoxic substances
EM8 Regs 12 -16, 18 -20 Level 2 information requirements for suppliers and persons in charge	EM8 Regs 12 -16, 18 -20 Level 2 information requirements for suppliers and persons in charge
EM11 Regs 25 – 34 Level 3 emergency management requirements: duties of person in charge, emergency response plans	EM11 Regs 25 – 34 Level 3 emergency management requirements: duties of person in charge, emergency response plans
EM12 Regs 35 -41 Level 3 emergency management requirements; secondary containment	EM12 Regs 35 -41 Level 3 emergency management requirements; secondary containment
EM13 Reg 42 Level 3 emergency management requirements: signage	EM13 Reg 42 Level 3 emergency management requirements: signage
<b>Hazardous Substances (Personnel Qualifications) Regulations 2011</b>	
AH1 Regs 4 -6 Approved Handler requirements (including test certificate and qualification requirements)	AH1 Regs 4 -6 Approved Handler requirements (including test certificate and qualification requirements)

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**Approved Controls for Reference substance**  
**HSR000829**

**Default Controls for Tui Targeted Hydrocotyle**  
**Weed Eliminator for Lawns**

**Hazardous Substances (Tank Wagon and Transportable Containers) Regulations 2011**

Regs 4 to 43 as applicable  
 Controls relating to tank wagons and transportable containers

**Schedule 8 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004**

Schedule 8

**Additional Controls**

77A This substance must not be applied onto or into water

**3.5 Provide comparative information on what will happen to the substance throughout its whole life from its introduction into New Zealand, its uses, through to disposal.**

An existing approved substance (HSR000829) is used as the manufacturing concentrate to prepare the Tui Targeted Hydrocotyle Weed Eliminator for Lawns. The composition and method of manufacture are described in the Confidential Appendix.

The proposed substance is to be packaged in a small package and will be then be put in outer packaging (e.g. cardboard boxes) and sent to retail outlets, e.g. stores, garden centres, located throughout New Zealand. Transport would be by road transport. The 9.1B hazardous classification would require transport as a Class 9 Dangerous Good.

A draft label has been included in the Confidential Appendix. The substance is intended to be sold to the general public and for use in home gardens.

The Tui Targeted Hydrocotyle Weed Eliminator for Lawns is intended to be diluted with water prior to applying as a spray onto weeds in a lawn. The proposed pack size (50 ml) would be diluted into 5 litres of water to prepare a ready-to-use solution. The small pack size is designed so there is only a small volume of ready to use liquid prepared.

The ready to use solution is for application with low pressure sprayers. The target plants are hydrocotyle in lawns but can also include control of creeping oxalis, daisies, clover and other broad leaf weeds.

The label would advise to triple rinse the empty container and to use as a spray ( for intended use as a herbicide). The empty rinsed containers would then be crushed and buried in a suitable approved landfill via the normal household rubbish collection.

## Section 4 – Identification and assessment of any significant variations in risk between the proposed substance(s) and the reference substance(s)

The reference substance (HSR000829) is a herbicide concentrate containing 600 g/L triclopyr as the butoxyethyl ester. This reference substance is required to be diluted with water prior to application. The reference substance is used as a herbicide to target wide range of species; gorse, broom, blackberry, fennel, lupin, tutu, willow, broom, wattle as well as hydrocotyle and other broad leaf weeds in turf/lawns.

The concentration of Tui Targeted Hydrocotyle Weed Eliminator for Lawns is sufficient to dilute 50 ml with 5 litres of water and then to apply to 50 m<sup>2</sup> of lawn/turf.

The availability of a small pack size means only small quantities need be purchased at any one time. Typically products have a 2-year shelf life and home gardeners do not need to purchase more product than their immediate requirements for that growing season. This means less concentrate product needs to be safely/securely stored in the home environment and less 'old' concentrate product to be disposed of. The proposed lower concentration of active in the product combined with the dilution rate instructions also means users have simpler instructions to follow.

Precautionary advice includes advice that some burning may occur with fine turf grasses. People and pets should be kept off the sprayed area until the spray has dried. Reapplication is recommended if it rains within 8 hours of application.

The following table summarises potential adverse events/effects and risks that might arise with use of the proposed substance. Potential risks are considered from insignificant to low.

	Impact	Likelihood	Geographic effects	Magnitude	Risk	Additional comment
Physical environment	Air	Unlikely	Localised	Negligible	Insignificant	The reference and proposed substances are non-flammable.
	Water	Unlikely	Localised	Minor	Low	The Tui Targeted Hydrocotyle Weed Eliminator for Lawns is identified with 9.1B classification.  The reference substance is a 9.1A. An additional control applies; <i>This substance must not be applied onto or into water.</i> [This same control could also be applied to the new substance because of the 9.2A classification.]  The new substance is

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Impact	Likelihood	Geographic effects	Magnitude	Risk	Additional comment
					intended for use in home gardens. The quantities to be used at any time would be small.
Soil	Likely	Localised	Minor	Low	The reference product is used as a manufacturing concentrate and is already used in agricultural situations as a herbicide and for the same purpose as the proposed new substance. A 9.2A classification applies to the reference substance. The same classifications is expected for the new substances. No new risks are identified.
Ecosystems (flora, fauna)	Likely	Localised	Minor	Low	The reference substance is a 9.3C (harmful to terrestrial vertebrates). The Tui Targeted Hydrocotyle Weed Eliminator for Lawns has no 9.3 classification. The intended use is as a herbicide for weeds in lawns. This will not target terrestrial vertebrates and is not expected to adversely affect domestic pets or birds. The reference and proposed substances do not have a 9.4 classification that would affect insects.
Human health and welfare	Unlikely	Localised	Minimal	Low	The reference and proposed substance are both classified as a 6.5B (contact sensitiser).  Additionally the reference substance is a 6.1D, 6.3B, 6.4A and 6.9B; the Tui Targeted Hydrocotyle Weed Eliminator for Lawns is a 6.1E, 6.4A and 6.9B.  A small pack size and operational procedures including personal protection equipment minimise potential for exposure to the proposed new substance.
Users (application of product)	Unlikely	Localised	Minimal	Low	The reference and proposed substance are both classified as a 6.5B (contact sensitiser).  Additionally the reference substance is a 6.1D, 6.3B, 6.4A and 6.9B; the Tui Targeted Hydrocotyle Weed Eliminator for Lawns is a 6.1E, 6.4A and 6.9B.  A small pack size and label

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Impact	Likelihood	Geographic effects	Magnitude	Risk	Additional comment
					information minimise potential for exposure to the proposed new substance.
General public	Unlikely	Localised	Minimal	Low	Use of the proposed substance is for home gardens and on a small scale. The reference substance may also be used for home gardens but also for agricultural/forestry, and turf (parks, amenity areas).
Food supply (residues)	Unlikely	Localised	Minimal	Insignificant	The reference and proposed substance are for use as herbicides, not for food crops. The reference substance can be applied to wider target areas whereas the new substance is specifically for weed control in lawns/turf.
Maori Taonga	Unlikely	Localised	Minimal	Insignificant	The reference product is used as the manufacturing concentrate so has already been assessed. The proposed use of the new substance and RTU concentration is already covered by the uses of the reference substance.

## Section 5 – International considerations

The EPA is interested in whether this substance (or any of its components) has been considered by any other regulatory authority in New Zealand or by any other country. If you are aware of this, please provide details of the results of such consideration.

(Optional).

## Section 6 – Miscellaneous

### 6.1 Provide a glossary of scientific and technical terms used in the application.

RTU     Ready to use

**6.2 Provide here any other information you consider relevant to this application not already included.**

## Section 7 – Summary of public information

### 7.1 Name of the substance(s) for the public register:

Please use a maximum of 80 characters.

Tui Targeted Hydrocotyle Weed Eliminator for Lawns

### 7.2 Purpose of the application for the public register:

This should include an abstract (in a maximum of 255 characters), giving information on the intended use of the substance and why an application is needed based on its hazardous properties.

To manufacture Tui Targeted Hydrocotyle Weed Eliminator for Lawns containing 120 g/L triclopyr as the butoxyether ester as a herbicide for use in the home garden.

### 7.3 Use categories of the substance(s):

Main category: 4

Industry category: 5

Function/Use category: 38



**7.4 Executive summary:**

The proposed substance Tui Targeted Hydrocotyle Weed Eliminator for Lawns contains 120 g/L triclopyr as the butoxyethyl ester. The substance is to be used as a herbicide for the control of hydrocotyle and other weeds such as creeping oxalis, daisies, clover and broadleaf weeds in turf and lawns. The substance is to be prepared from a concentrate already approved under the HSNO Act. This concentrate has been used as the reference substance (HSR000829) for this application.

The lower concentration of active ingredient in the Tui Targeted Hydrocotyle Weed Eliminator for Lawns results in a substance with some lesser hazard classifications. The reference substance has been identified with hazardous classifications of 6.1D, 6.3B, 6.4A, 6.5B, 6.9B, 9.1A, 9.2A and 9.3C. The hazardous classifications for the Tui Targeted Hydrocotyle Weed Eliminator for Lawns are 6.1E, 6.4A, 6.5B, 6.9B, 9.1B and 9.2A.

The Tui Targeted Hydrocotyle Weed Eliminator for Lawns is intended to be diluted with water prior to application by low pressure spray. A benefit of a lower concentration product is that the home gardener can buy a small single pack and dilute to a set volume of water in a small sprayer. A proposed pack size (50 ml) is sufficient to dilute with 5 litres of water to prepare an aqueous ready-to-use solution for 50 m<sup>2</sup> of lawn. These lower concentration products means handling a substance with less and lower hazardous classifications. A small pack size also means the user can purchase just sufficient product to meet their immediate requirements so does not need to store unused concentrate product in a home environment. A typical shelf life of agricultural products is 2 years and unless small pack sizes are available this can result in wastage of unused product and disposal issues for unwanted or expired product.

The disposal of product would be for the intended use as a herbicide spray. The advice for disposal of empty containers is to triple rinse with water and using the rinsate for the intended purpose (as herbicide spray), then to dispose of the empty rinsed containers by crushing and burying in an approved landfill.

## Signature and statutory declaration

I \_\_\_\_\_ [full name],  
of \_\_\_\_\_ [address],  
\_\_\_\_\_ [occupation/position],

being the applicant or authorised to do so on behalf of the applicant, verify that the information contained in this application is true and correct. I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths and Declarations Act 1957.

---

Signature

Declared at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_ before me.

---

Signature

[name]

Barrister or Solicitor of the High Court of New Zealand

[or Justice of the Peace, Notary Public, or other person authorised to take a statutory declaration]