

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 1 of 9

## 1. PRODUCT AND COMPANY INFORMATION

|                            |  |
|----------------------------|--|
| <b>Product Name:</b>       | <b>Weed Weapon Long Term Ready to Use</b>                    |
| Synonyms:                  | Pathclear Long Term Ready to Use                             |
| Molecular Formula:         | Mixture  |
| Supplier:                  | Kiwicare Corporation Limited                                 |
| Street Address:            | 225 Maces Road, Bromley, Christchurch, 8062<br>New Zealand   |
| Postal Address:            | P.O Box 15050, Aranui, Christchurch, 8643 New<br>Zealand     |
| Telephone                  | +64 3 389 0778   |
| Email:                     | <a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a> |
| Website:                   | <a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>   |
| Emergency Contact Numbers: |  |
| National Poisons Centre:   | 0800 764 766 (0800 POISON)                                   |

## 2. HAZARDS IDENTIFICATION

|                                   |   |
|-----------------------------------|---|
| Dangerous Goods:                  | None allocated  |
| Packaging Group:                  | III   |
| Hazardous Substance (HSNO) Codes: | 9.1A Very toxic to aquatic life.<br>9.2C Harmful to soil organisms. |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                  |                           |
|------------------|---------------------------|
| Recommended Use: | Herbicide                 |
| Appearance:      | Off white to beige liquid |

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# SAFETY DATA SHEET

**KIWICARE<sup>®</sup>**

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 2 of 9

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

| Ingredients   | CAS #       | Content % w/w or w/v |
|---------------|-------------|----------------------|
| Terbutylazine | 63026-57-3  | <1% w/v              |
| Glyphosate    | 1071-83-6   | <1% w/v              |
| Saflufenacil  | 372137-35-4 | <1% w/v              |
| Water         | 7732-18-5   | >85% w/v             |

## 4. FIRST AID MEASURES

|                     |   |
|---------------------|---|
| Ingestion:          | If swallowed, this product may cause gastrointestinal tract irritation. If ingestion occurs, do not induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in recovery position. Obtain medical advice immediately. |
| Eye Contact:        | Causes eye irritation. Check for and remove any contact lenses. If easy to do so Do not use an eye ointment. Flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice.   |
| Skin Contact:       | Mild skin irritant. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation occurs get medical advice.   |
| Inhalation:         | Can cause irritation of upper respiratory tract. If ill effects persist call a doctor. Seek immediate medical attention.  |
| Notes to Physician: | None allocated.   |

## 5. FIRE FIGHTING MEASURES

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 3 of 9

## 5. FIRE FIGHTING MEASURES

|                               |  |
|-------------------------------|--|
| Specific Hazards:             | Clear fire area of all non-emergency personnel   |
| Suitable Extinguishing Media: | Water spray, foam, CO2, dry chemical or any class B extinguishing agent.   |
| Fire Fighting Advice:         | For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document. |

## 6. ACCIDENTAL RELEASE MEASURES

|                                 |  |
|---------------------------------|--|
| Spill Clean-up:                 |  |
| Minor Spills (Up to 100 L):     | Floor may be slippery if wet. Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer.   |
| Major Spills (more than 100 L): | Floor may be slippery if wet. Eliminate all ignition sources and naked lights. Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations.<br><br>Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation. |

## 7. HANDLING AND STORAGE

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# SAFETY DATA SHEET

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 4 of 9

## 7. HANDLING AND STORAGE

|           |  |
|-----------|--|
| Handling: | Keep container sealed when not in use. Rinse out empty containers and do not use for any other purpose.  |
| Storage:  | Store in original container in a cool, dry ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage.<br><br>All aspects of storage, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                       |   |
|-----------------------|---|
| Exposure Standards:   | None allocated.   |
| Engineering Controls: | Always use with adequate ventilation.   |
| Personal Protection:  | Avoid all personal contact. Wear suitable protective clothing. Wash protective clothing before storage or reuse. Wash hands after use and before, using tobacco products, or toilet facilities. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                       |  |
|-----------------------|--|
| Appearance and Odour: | White to beige liquid. Characteristic pungent odour. |
| Solubility:           | Not applicable.                                      |
| Specific Gravity:     | 1.0 @ 20°C   |
| Boiling Point:        | Not allocated  |
| Freezing Point:       | Not allocated  |
| Melting Point:        | Not allocated  |

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# SAFETY DATA SHEET

Product Name: Weed Weapon Long Term Ready to Use

Issue Date:5/06/2014

Page 5 of 9

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                 |               |
|---------------------------------|---------------|
| Vapour Pressure:                | Not allocated |
| Coefficient of Cubic Expansion: | Not allocated |
| Relative Vapour Density:        | Not allocated |
| Decomposition Point:            | Not allocated |
| Viscosity:                      | Not allocated |
| Flash Point:                    | Not allocated |
| Electrostatic Generation:       | Not allocated |
| Auto-ignition Temperature:      | Not allocated |
| % Volatile by Volume:           | Not allocated |
| Flammable Limits:               | Not allocated |
| pH Value:                       | 5.3 – 6.0     |
| Evaporation Rate:               | Not allocated |
| Explosion Hazard:               | Not allocated |
| Formula:                        | Not allocated |
| Molecular Weight:               | Not allocated |
| Chemical Family:                | Not allocated |
| Other:                          | Not allocated |
| Oxidising Agents:               | Not allocated |
| Acids:                          | Not allocated |
| Alkalis:                        | Not allocated |
| Salt or Freshwater:             | Not allocated |
| Exposure Standards (TLV-TW):    | Not allocated |
| Engineering Controls:           | Not allocated |

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# SAFETY DATA SHEET

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 6 of 9

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use

## 11. TOXICOLOGICAL INFORMATION

General: Low toxicity

Acute Effects LD50 oral rat, >20,000 mg/kg (glyphosate only)  
LD50 oral rat, 1 590 - >2 000 mg/kg  
(terbutylazine)

Ingestion: May be harmful if swallowed.

Eye Contact: Will irritate eyes.

Skin Contact: LD50 dermal rat, >2,000 mg/kg (glyphosate)  
LD%) dermal rat, >2,000 mg/kg (terbutylazine)

Inhalation: None allocated

Long Term Effects: None allocated

Acute Toxicity: Glyphosate LD50 oral rat, >5000 mg/kg

Chronic Toxicity: None known

## 12. ECOTOXICITY INFORMATION

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 7 of 9

## 12. ECOTOXICITY INFORMATION

Environmental Effects:

**Aquatic Invertebrates:** 48-hr EC50 Daphnia magna: 1,634 mg/L; Practically Nontoxic

**Warmwater Fish:** 96-hr LC50 Silver orfe: 491 mg/L; Practically Nontoxic

**Coldwater Fish:** 96-hr LC50 Rainbow trout: 322 mg/L; Practically Nontoxic

**Algal Species:** 72-hr EC50 Selenastrum: 15 mg/L; Slightly Toxic

Studies with the active ingredient glyphosate indicate that this product would be practically nontoxic to avian species and honeybees. The results of degradation and bio-concentration studies with the active ingredient in this product indicate that it is rapidly adsorbed to soil, readily biodegrades in soil and water, and does not bio-accumulate.

## 13. DISPOSAL CONSIDERATIONS

Product Disposal:

Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.

Container Disposal:

Rinse out empty containers prior disposal. Do not re-use empty container for any other purpose.

All aspects of disposal, handling, use and record keeping must be in accordance with

NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

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# SAFETY DATA SHEET

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 8 of 9

## 14. TRANSPORT INFORMATION

### Road and Rail

|                        |                                    |
|------------------------|------------------------------------|
| UN Number:             | UN 3082                            |
| Dangerous Goods Class: | 9                                  |
| Hazchem Code:          | None allocated                     |
| Packaging Group:       | III                                |
| Proper Shipping Name:  | Weed Weapon Long Term Ready to Use |
| Segregation:           | None allocated                     |

### Marine

|                       |                                    |
|-----------------------|------------------------------------|
| UN Number:            | UN 3082                            |
| Class:                | 9                                  |
| Packaging Group:      | III                                |
| Proper Shipping Name: | Weed Weapon Long Term Ready to Use |

### Air Transport

|                       |                                    |
|-----------------------|------------------------------------|
| UN Number:            | UN 3082                            |
| Class:                | 9                                  |
| Packaging Group:      | III                                |
| Proper Shipping Name: | Weed Weapon Long Term Ready to Use |

## 15. N.Z. REGULATORY INFORMATION

|                                  |                 |
|----------------------------------|-----------------|
| EPA HSNO Number:                 | HSR100935       |
| HSNO Classifications:            | 9.1A, 9.2C      |
| HSNO Controls:                   | See EPA website |
| HSNO Approved Codes of Practice: | See EPA website |

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: Weed Weapon Long Term Ready to Use

Issue Date: 5/06/2014

Page 9 of 9

## 16. OTHER INFORMATION

|                      |                            |
|----------------------|----------------------------|
| Emergency Contact    | 24 Hours                   |
| Work Hours           | National Poisons Centre    |
| Kiwicare Corporation | PO Box 913                 |
| 225 Maces Road       | Dunedin                    |
| PO Box 15050         | Tel: 0800 764 766 (POISON) |
| Christchurch         |                            |
| Tel: (03) 389 0778   |                            |
| Fax: (03) 389 0669   |                            |

All Safety Data Sheets are subject to review and should not be left longer than three years before and update is obtained.

For further information visit the Kiwicare web site, [www.kiwicare.co.nz](http://www.kiwicare.co.nz), or contact the supplier.

The information in this document should be made available to all who may handle the product

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

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