

SAFETY DATA SHEET

KIWICARE[®]

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 1 of 10

1. PRODUCT AND COMPANY INFORMATION

Product Name:	Weed Weapon Extra Strength Concentrate
Synonyms:	Weed Weapon Concentrate
Molecular Formula:	Mixture
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
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:	6.3B Causes mild skin irritation. 6.4A Causes Serious Eye irritation. 9.1B Toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use:	Herbicide
------------------	-----------

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

KIWICARE[®]

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 2 of 10

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear to light yellow liquid

Ingredients

Ingredients	CAS #	Content % w/w or w/v
Glyphosate	1071-83-6	<30% w/v
Saflufenacil	372137-35-4	<1% w/v
Water	7732-18-5	>20% 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

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

KIWICARE[®]

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 3 of 10

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 20 L):	<p>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. Contaminated absorbent and wash water should be disposed of according to local and national regulations.</p> <p>Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.</p>
Major Spills (more than 20 L):	<p>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. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations.</p> <p>Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.</p>

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 4 of 10

7. HANDLING AND STORAGE

Handling:	Rinse out empty containers and do not use for any other purpose.
Storage:	<p>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. Keep container sealed when not in use.</p> <p>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.</p>

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:	Clear to light yellow liquid. Characteristic pungent odour.
Solubility:	None allocated
Specific Gravity:	1.0 @ 20OC
Boiling Point:	None allocated
Freezing Point:	None allocated

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date:4/06/2014

Page 5 of 10

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	None allocated
Vapour Pressure:	None allocated
Coefficient of Cubic Expansion:	None allocated
Relative Vapour Density:	None allocated
Decomposition Point:	None allocated
Viscosity:	None allocated
Flash Point:	None allocated
Electrostatic Generation:	None allocated
Auto-ignition Temperature:	None allocated
% Volatile by Volume:	None allocated
Flammable Limits:	None allocated
pH Value:	4.8 – 6.5
Evaporation Rate:	None allocated
Explosion Hazard:	None allocated
Formula:	None allocated
Molecular Weight:	None allocated
Chemical Family:	None allocated
Other:	None allocated
Oxidising Agents:	None allocated
Acids:	None allocated
Alkalis:	None allocated
Salt or Freshwater:	None allocated
Exposure Standards (TLV-TW):	None allocated

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 6 of 10

9. PHYSICAL AND CHEMICAL PROPERTIES

Engineering Controls: None allocated

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use

Incompatibility: None known

Corrosive Properties: Not corrosive

Thermal Decomposition: None

11. TOXICOLOGICAL INFORMATION

General:

Acute Effects LD50 oral rat, >20,000 mg/kg
(toxicity largely relevant to glyphosate only)

Ingestion: May be harmful if swallowed.

Eye Contact: Eye irritant

Skin Contact: Mild skin irritant
LD50 dermal rat, >20,000 mg/kg

Inhalation: None allocated.

Long Term Effects: None allocated.

Acute Toxicity: LD50 rat, >10,000 mg/kg

Chronic Toxicity: None allocated.

12. ECOTOXICITY INFORMATION

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

KIWICARE[®]

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 7 of 10

12. ECOTOXICITY INFORMATION

Environmental Effects:

Very toxic to aquatic organisms.

Persistence /Degradability: Adsorption studies indicate that glyphosate has very low mobility. Average field half- life of glyphosate is 47 days.

Bioaccumulative Potential: Glyphosate is not bio accumulative, BCF = <1 for bluegill sunfish.

Harmful Effects on the Environment: Harmful to fish and other aquatic organisms (mainly due to the surfactant)

Other Precautions: Do not spray in high winds. Do not contaminate dams, waterways or sewers with this product.

Environmental Protection: Glyphosate is a non-selective contact herbicide. Spray drift can cause damage.

Acute Toxicity - Fish The following is data for a similar product.

LC50 (96hr) for bluegill sunfish is 5.8 - 14 mg/L

LC50 (96hr) for rainbow trout is 8.2 - 26 mg/L

LC50 (96hr) for fathead minnow is 9.4 mg/L

Acute LC50 (96hr) for bluegill sunfish is 45mg/L for glyphosate isopropylamine

Chronic NOEC (21d) for rainbow trout is 52mg/L for glyphosate isopropylamine

Acute Toxicity – Daphnia NOEC (21d) = 0.65 mg/L

Chronic: EC50 (7d) for Marine diatom; *Skeletonema costatum* = 0.77ppm for glyphosate isopropylamine

Acute Toxicity - Other Organisms

Acute oral LD50 for bobwhite quail >3851mg/kg (for glyphosate)

Bee LD50 (contact and oral) >100Mg/kg (for glyphosate)

Earthworm (*Eisenia foetida*) LC50(14d) = >5000mg/kg soil (for glyphosate isopropylamine salt)

Other Information Environmental Exposure Limit (EEL) for glyphosate = 0.37mg/L

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

KIWICARE®

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 8 of 10

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.

14. TRANSPORT INFORMATION

Road and Rail

UN Number:	3082
Dangerous Goods Class:	9
Hazchem Code:	2X
Packaging Group:	III
Proper Shipping Name:	Environmentally hazardous substance, liquid - Weed Weapon Concentrate 80:1
Segregation:	None allocated

Marine

UN Number:	3082
Class:	9
Packaging Group:	III

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 9 of 10

14. TRANSPORT INFORMATION

Proper Shipping Name: Weed Weapon Concentrate 80:1

Air Transport

UN Number: 3082

Class: 9

Packaging Group: III

Proper Shipping Name: Weed Weapon Concentrate 80:1

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR100724

HSNO Classifications: 6.3B, 6.4A, 9.1B

HSNO Controls: See EPA website

HSNO Approved codes of Practice: See EPA website

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	

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

KIWICARE[®]

Product Name: Weed Weapon Extra Strength Concentrate

Issue Date: 4/06/2014

Page 10 of 10

16. OTHER INFORMATION

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, 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.

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.