

SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 1 of 12

1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Weed Weapon Grass Control
Recommended uses:	Herbicide: liquid concentrate dilute with water before use.
Restrictions on Use/Supply:	Do not apply on crops or in areas where food producing animals have access.
Molecular Formula:	Mixture – emulsifiable concentrate
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:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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SAFETY DATA SHEET



Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 2 of 12

2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Flam. Liquid 4	Not required under the UN RTDG Model Regulations	No pictogram	Warning	H227	P103 ^b P210 P280	P370+P378	P403+P235	P501
Eye Irrit.2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 ^b P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
STOT Rep Exp.2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 ^b P260	P314	No storage statements	P501
Aquatic Chronic 2			Warning	H411	P103 ^b P273	P391	No storage statements	P501

Signal word: **WARNING**

Dangerous Goods: **Class 9**

Packaging Group: **III**

Hazardous Substance (GHS) Codes: **Flammable liquids Cat.4
Eye Irritation Cat.2
Specific Target Organ Toxicity- Repeated Exposure Cat.2
Aquatic Chronic Cat.2**

Pictograms:



Hazard Statement: **H227: Combustible liquid**

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SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 3 of 12

Precautionary Statements:

H319: Causes serious eye irritation

H373: May cause damage to liver/kidney through prolonged or repeated exposure

H411: Toxic to aquatic life with long term effects

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P260: Do not breathe mist, or spray

P264: Wash hands thoroughly after using

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/ face protection

P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage

P370+P378: In case of fire use water spray, foam dry chemical or CO₂ to extinguish.

P337+P313: If eye irritation persists: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.

Do NOT burn.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance:

Clear amber liquid

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SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 4 of 12

Ingredients

Ingredients	CAS #	Content %
Haloxyfop-P-methyl ester	72619-32-0	10%
Diethylene Glycol Monoethyl Ether	111-90-0	30-60%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

4. FIRST AID MEASURES

General information:	In case of accident, or if you feel unwell, seek medical advice (show the label where possible).
Ingestion:	Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Eye Contact:	May cause eye irritancy. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation persists, seek medical advice, or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Skin Contact:	Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.
Inhalation:	If breathing problems develop, seek medical advice, or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically

5. FIRE FIGHTING MEASURES

HAZCHEM code:	2Z
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.

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SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 5 of 12

Suitable Extinguishing Media:	Appropriate fire extinguishers are Water spray, CO ₂ , or dry foam. Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Hazardous Products of Combustion:	No data for the mixture. Diethylene glycol monoethyl ether emits acrid smoke and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Absorb with materials such as sand, soil, or saw-dust. Contain spill and collect in sealable container for disposal. Residues can be washed with water and detergent.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. 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 incinerate at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist/spray. When handling product in bulk, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways.
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SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 6 of 12

Conditions for safe Storage including incompatibilities:

Keep out of the reach of children. 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.

Minimum shelf life: 2 years.

Protection against fire and explosion:

Keep away from heat sources/sparks/flame, the product is combustible. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

A tolerable exposure limit (TEL) drinking water has been set for haloxyfop-R-methyl. The TEL value is 0.0021 mg/l

Engineering Controls:

Select spray application equipment to minimize exposure

Hand protection:

If repeated or prolonged contact wear chemical resistant gloves.

Eye protection:

If there is significant potential for contact, wear safety goggles or full-face shield to avoid splashes.

Body protection:

Wear protective overalls or long-sleeved tops, long trousers or closed in work-shoes.

Respiratory Protection:

Use a breathing apparatus (respirator/disposable masks) to avoid mist/spray.

General safety and hygiene measures:

Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes, and clothing.

Environmental Exposure Controls: Minimise release to the environment.

Exposure Standards:

Substance	Cas #	TLV		WEEL 8-h ¹	
		ppm	mg/m ³	ppm	mg/m ³
Diethylene glycol monoethyl ether	-	-	50.0 (inhalable fraction)	25	-

¹ American Industrial Hygiene Association, AIHA, 2006

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SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 7 of 12

Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Water	77A	<p>A person who applies the substance onto or into water must ensure that the Environmental Protection Authority is provided with an annual written report by 31st July each year. Further details are provided on the EPA approved hazardous substances database.</p> <p>Where the substance is applied onto or into water^[1] any instances of unintended or accidental by-kills are reposted to the EPA within a week. A signage must be used at all public access points within 100 m of the application area. The product must be applied in a manner that may not cause harm to aquatic farms where food is produced. (Refer to EPA website for additional information)</p> <p>^[1] Means water in all its physical forms, whether flowing or not, and whether over or under ground, but does not include water in any form while in a pipe, tank or cistern or water used in the dilution of the substance prior to application</p>
Environmental Exposure Limit.	77A	An EELwater has been set for haloxyfop-R-methyl. The EEL value is 0.84 µg/L.
Tolerable Exposure Limit	77A	A TELdrinking water has been set for haloxyfop-R-methyl. The TEL value is 0.0021 mg/L.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear amber liquid
Odour:	Mild Odour
Odour Threshold:	No data
pH Value:	Not applicable
Melting/freezing point:	No data
Boiling point (range):	No data
Flash Point:	~93°C (closed cup method)
Flammability:	Flammable
Explosive limits:	1.2% at 135 °C (diethylene glycol monoethyl ether)
Vapour pressure:	No data
Vapour density:	>1 (heavier than air)

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 Grass Control**

Print/View Date: 29/06/2022

Page 8 of 12

Relative density:	~1.05g/mL
Solubility:	Emulsifiable
Partition coefficient:	n-octanol/water: LogP = 4
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use.
Incompatibility or conditions to be avoid:	No data available
Corrosive Properties:	Not corrosive to eyes or skin.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class:	Flam.Liquid.4, Eye Irrit.2, STOT Rep.Exp.2
Acute Toxicity:	No data for the mixture Haloxypop-methyl Acute oral LD ₅₀ ≥ 300 mg/kg (rat) Acute dermal LD ₅₀ = 200 mg/kg (rat) Diethylene glycol monoethyl ether: Acute oral LD ₅₀ = 7500 mg/kg (rat). Acute dermal LD ₅₀ = 6000 mg/kg (rat)
Aspiration hazard	May cause irritation on inhalation of mistor vapour
Skin corrosion/irritation:	Unlikely to cause skin corrosion

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 Grass Control**

Print/View Date: 29/06/2022

Page 9 of 12

Serious eye damage/irritation:	May cause serious eye irritation
Respiratory or skin sensitisation:	Unlikely to cause skin sensitisation and/or contact dermatitis
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	No data available
Specific organ toxicity – repeated exposure:	Liver/kidney
Narcotic effects:	No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

12. ECOTOXICITY INFORMATION

Ecological information of substance:	Toxic to aquatic life with long term effects. Do not contaminate waterways, sewers, or drains when using product or packaging. No data for the mixture Haloxyfop-R-methyl ester: Rainbow trout, LC ₅₀ (96 hr) 0.7 mg/L. 21d NOEC = 0.0052 mg/L Water flea, EC ₅₀ (48 hr) 6.12 mg/L
Bioaccumulation:	This product is unlikely to bioaccumulate
Soil Toxicity:	Earthworm Acute 14d LC ₅₀ >672 mg/kg

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 Grass Control**

Print/View Date: 29/06/2022

Page 10 of 12

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.
Container Disposal:	Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations. DO NOT reuse containers. DO NOT burn.
Methods of disposal to avoid	Do not empty down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3082
Dangerous Goods Class:	Class 9
Hazchem Code:	2Z
Packaging Group:	III
Proper Shipping Name:	Environmentally hazardous substance, Liquid, N.O.S. (Haloxypop-P-methyl ester 10%)
Segregation:	Food, feed, HSNO class 1, 2, 3.2, 4 and class 5

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000373
GHS Classifications:	Flam.Liquid.4, Eye Irrit.2, STOT Rep.Exp.2, Aquatic Chronic 2
HSNO Controls:	Refer to HSR000373

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 Grass Control**

Print/View Date: 29/06/2022

Page 11 of 12

Additional Controls:

Stores containing more than 1000 litres require secondary containment, signage, and an emergency response plan.

Fire extinguishers are required for more than 500 litres.

Contractors that apply product with other than hand-held equipment must be suitably qualified (Sch. 10; Hazardous Substances Hazard Properties Control Notice 2017)

Application into water is subject to requirements concerning maximum application rates, frequencies, intervals, permissions, signage, notification, incident reporting, annual reporting, species thresholds, etc. Refer EPA for more information

16. OTHER INFORMATION

SDS date of preparation: 21 / 04 / 2022

SDS date of revision: 21 / 04 / 2027

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

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier of the starting material.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

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.

Abbreviations:

ADR: European agreement concerning the international carriage of Dangerous goods by Road

CLP: Classification Labelling and Packaging

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SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Grass Control**

Print/View Date: 29/06/2022

Page 12 of 12

EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System
H Phrase:	Hazard Phrase
HSNO:	Hazardous Substances and New Organisms (1996) Act
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organisation
IMDG:	International Maritime Dangerous Goods
P Phrase:	Precautionary Phrase
RID:	Regulations concerning the International carriage of Dangerous good by rail
STEL:	Short-Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average

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