

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: **Weed Weapon Tough Brushweed Ultra**

Print/View Date: 29/06/2022

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>Weed Weapon Tough Brushweed Ultra</b>
Recommended uses:	Herbicide
Restrictions on Use/Supply:	None
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:	<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:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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## 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 <sup>b</sup> P210 P280	P370+P378	P403+P235	P501
Acute Tox.4 (Oral)	Not applicable for the UN RTDG Model Regulations		Warning	H302	P102 P103 <sup>b</sup> P264 P270	P101 <sup>b</sup> P301+P312 P330	No storage statements	P501
Acute Tox.4 (Inhalation)	Not applicable for the UN RTDG Model Regulations		Warning	H332	P102 P103 <sup>b</sup> P261 P271	P101 <sup>b</sup> P304+P340 P331	No storage statements	P501
Eye Irrit.2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 <sup>b</sup> P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
Skin Sens.1	Not applicable for the UN RTDG Model Regulations		Warning	H317	P103 <sup>b</sup> P261 P272 P280	P302+P352 P333+P313 P321 P363	No storage statements	P501
STOT Rep.Exp.2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 <sup>b</sup> P260	P314	No storage statements	P501
Aquatic Acute1			Warning	H400	P103 <sup>b</sup> P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 <sup>b</sup> P273	P391	No storage statements	P501

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Signal word: WARNING

Dangerous Goods: Class 9

Packaging Group: III

Hazardous Substance (GHS) Codes: Flammable Liquid Cat.4  
Acute Oral Toxicity Cat.4  
Acute Inhalation Toxicity Cat.4  
Eye Irritation Car.2  
Skin Sensitisation Cat.1  
Specific Target Organ Toxicity - Repeated Exposure Cat.2  
Aquatic Acute Cat.1  
Aquatic Chronic Cat.1

Pictograms:



Hazard Statement: H227: Combustible liquid.  
H302: Harmful if swallowed.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.  
H332: Harmful if inhaled.  
H373: May cause damage to kidney/liver through prolonged or repeated exposure.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long term effects.  
Hazardous to soil organisms.  
Hazardous to terrestrial vertebrates.

Precautionary Statements: 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 sparks/open flames/hot surfaces.

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P260: Do not breathe fume/gas/mist/vapor/spray.

P261: Avoid breathing fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink, or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed outside of the workplace.

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.

P321: Specific treatments (See first aid instructions)

P330: Rinse mouth.

P331: Do NOT induce vomiting.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

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. 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.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear amber liquid

### Ingredients

Ingredients	CAS #	Content %
Triclopyr butoxyethyl ester	64700-56-7	42
Picloram amine salt	1918-02-1	17
2-Butoxy ethanol	111-76-2	10-30
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: Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Eye Contact: Can cause serious eye irritation. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. 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: Can cause allergic skin reaction. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice and have product label at hand.

Inhalation: Can be harmful if inhaled. Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing problems persists, 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

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## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	2 <sup>+</sup> 2
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Appropriate fire extinguishers are Water spray, CO <sub>2</sub> , Powder, or Alcohol resistant 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 When heated Picloram emits toxic fumes of Hydrogen chloride (HCl), and Nitrogen oxides (N <sub>2</sub> O <sub>2</sub> ). 2-Butoxyethanol emits acrid smoke and irritating fumes.

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so. Do not allow product to enter the waterways or sewers.
Minor Spills (Up to 20 kg):	Contain spill, absorb the product with materials such as sand, soil, or sawdust. Collect spilled product and place in sealable container for disposal.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect in sealable container. 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.

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## 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.
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 as the product is a combustible liquid. Keep away from sparks/open flames/oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure November 2020, edition 12-1)
Engineering Controls:	Select spray application equipment to minimize exposure to operator and bystander.
Hand protection:	Wear chemical resistant gloves/ disposable gloves to avoid skin irritations.
Eye protection:	Wear safety goggles/ full face shield to avoid spray or splashes.
Body protection:	Wear disposable overalls or long-sleeved tops, long trousers, and closed work shoes.
Respiratory Protection:	Wear breathing apparatus (respirator/disposable masks) to avoid inhaling fumes/ mist/ spray.

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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. Wash contaminated clothing before re-use. Store work clothing separately.

Environmental Exposure Controls:

Minimise release to the environment. For bulk storage, an environmental assessment must be made to ensure compliance with local environmental legislation.

## Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
2-Butoxyethanol (Butyl glycol ether)	111-76-2	25	121		
Picloram	1918-02-1		10		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear amber liquid
Odour:	Mild Odour
Odour Threshold:	No data
pH Value:	3.0 - 7.1
Melting/freezing point:	No data
Boiling point (range):	No data
Flash Point:	87 °C (Closed cup method)
Flammability:	Flammable
Explosive limits:	No data. May form explosive mixture in enclosed or poorly ventilated areas.
Vapour pressure:	No data

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Vapour density:	No data
Relative density:	~1.20g/mL
Solubility:	Emulsifiable
Partition coefficient:	No data
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:	Keep away from open flames/sparks/oxidising substances.
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; Acute Tox. 4 (oral, inhalation); Eye Irri. 2; Skin Sens. 1; STOT Rep. Exp. 2.
Acute Toxicity:	Acute oral LD <sub>50</sub> >300 mg/kg. Acute dermal LD <sub>50</sub> >5000 mg/kg. Acute inhalation LD <sub>50</sub> >1mg/L
Aspiration hazard	May cause irritation on inhalation of mist, gas, or spray
Skin corrosion/irritation:	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product
Serious eye damage/irritation:	Can cause serious eye irritation.

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Respiratory or skin sensitisation:	Can 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:	Very toxic to aquatic life with short term and long-term effects. Do not contaminate waterways, sewers, or drains when using product or packaging.  Picloram: Rainbow trout, LC <sub>50</sub> (96 hr) 1.15mg/L Water flea, EC <sub>50</sub> (48 hr) 50.07mg/L  Triclopyr butoxyethyl ester: Rainbow trout, LC <sub>50</sub> (96 hr) 0.36mg/L Water flea, EC <sub>50</sub> (48 hr) 1.7mg/L
Bioaccumulation:	The product is not likely to Bioaccumulate
Soil Toxicity:	Hazardous to soil organisms and terrestrial vertebrates.  Half-life: Picloram: 18-300 days 2-Butoxyethanol: 17-185 days.

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## 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 (triclopyr/picloram)
Segregation:	Food, feed, oxidising substances.

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000553
GHS Classifications:	Flam. Liquid 4; Acute Tox.4 (oral); Acute Tox.4 (inhalation); Eye Irrit.2; Skin Sens.1; STOT Rep. Exp.2; Aquatic Acute 1, Aquatic Chronic 1.
HSNO Controls:	Refer to HSR000553

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Additional Controls: Stores containing more than 100-litres require secondary containment, signage, and an emergency response plan.

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

## 16. OTHER INFORMATION

SDS date of preparation: 27 / 04 / 2022

SDS date of revision: 27 / 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](http://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

EC: European Commission

EU: European Union

GHS: Global Harmonized System

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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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