

SAFETY DATA SHEET

KIWICARE[®]

Product Name: *Weed Weapon Natural Power Concentrate*

Print/View Date: 8/12/2021

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Weed Weapon Natural Power concentrate
Relevant identified uses:	Organic herbicide containing >60% fatty acid in the form of emulsifiable 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:	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 2			Warning	H226	P103 P210 P233 P240 P241 P242 P243 P280	P303 + P361 + P353 P370 + P378	P403 + P235	P501
Skin Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H315	P103 P264 P280	P302 + P352 P321 P332 + P313 P362	No storage statements	P501
Eye Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 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 P261 P272 P280	P302 + P352 P333 + P313 P321 P363	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Class 3: Flammable Liquid

Packaging Group:

III

GHS Substance Codes:

Flammable Liquid Cat. 2

Skin Irritant Cat. 2

Eye Irritant Cat. 2

Skin Sensitiser Cat. 1

Designed for biocidal action

Pictograms:



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Hazard Statement:	H226: Flammable liquid and vapour. H315: Causes skin irritation. H319: Causes serious eye irritation. H317: May cause an allergic skin reaction.
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 heat. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge P280: Wear protective gloves/protective clothing/eye protection/face protection P261: Avoid breathing spray. P264: Wash thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P321: Specific treatment on the label. P363: Wash contaminated clothing before reuse. P303+361+353: IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P337+313: If eye irritation persists: Get medical advice/attention.

P370+378: In case of fire: Use CO₂ fire extinguisher for extinction.

P403+235: Store in a well-ventilated place. Keep cool.

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

Recommended Use: Organic herbicide

Appearance: Clear / straw coloured transparent liquid

Ingredients

Ingredients	CAS #	Content %
C ₈ – C ₁₀ Fatty acids (present as a buffer system)	NA (Mixture)	60 – 70%
Other 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: No acute toxicity. If swallowed, rinse mouth. If feeling unwell, seek medical advice or call NZ Poisons Centre on 0800 764 766; have product label at hand.

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Eye Contact:	Wear eye protection when using. May cause serious eye irritancy. IF IN EYES: 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; have product label at hand.
Skin Contact:	Wear closed shoes, long trousers and long-sleeved tops or overalls. Wash any contaminated clothing before re-use. May cause skin irritation or allergic skin reaction. IF ON SKIN: Wash with soap and water. If you feel unwell seek immediate medical advice.
Inhalation:	DO NOT breath mist or spray. May cause respiratory irritation. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766; have product label at hand.
Advice for Medical Doctors:	Treat symptomatically. Call NZ Poisons Centre on 0800 764 766 if necessary.

5. FIRE FIGHTING MEASURES

HAZCHEM code:	3Z
Specific Hazards:	Flammable liquid – flash point 45 °C. May be burn with a colourless flame. Keep container tightly closed. Use explosion-proof electrical equipment and take precautions against static electricity. Use non-sparking tools.
Suitable Extinguishing Media:	Use CO ₂ fire extinguishers. Mist or foam are suitable for larger fires.
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.

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Hazardous Products of Combustion: Carbon monoxide (CO) and general products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Low environmental hazard. Prevent leakage or spillage if safe to do so.
Secondary containment is required for quantities >10000 litres.

Minor Spills (Up to 20 kg): Wear protective clothing – eye and skin.
Contain spill and collect.

Major Spills (more than 20 kg): Wear protective clothing – eye and skin.
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 contact with skin and eyes. Avoid inhaling mist or spray. When handling product in drums, 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, well-ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals.
A Hazardous Substance Location (HSL) is required for quantities >500 litres in closed containers.

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Refer to Health & Safety at Work (Hazardous Substances Regulations) 2017 for additional controls.

Incompatible materials for storage: galvanised steel, unlined mild steel, see section 10.

Protection against fire and explosion:

Keep away from sources of heat or ignition. Avoid situations that may produce static. The product is not explosive.

Product must be segregated from explosive substances, flammable gases and aerosols, desensitised explosives, flammable, self-reacting and oxidising substances.

May react exothermically to neutralize bases. Can react with active metals to form gaseous hydrogen and a metal salt.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure November 2020, edition 12-1)

Engineering Controls:

Ground/bond storage containers and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Hand protection:

Wear chemical resistant gloves. Natural rubber, nitrile and PVC are all acceptable.

Eye protection:

Wear safety glasses or full-face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots.

Wear closed shoes, long trousers and long-sleeved tops or overalls when using.

Respiratory Protection:

No special requirement when used as recommended. Avoid breathing mist or spray.

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General safety and hygiene measures: Handle in accordance with good hygiene and safety practice. Minimise contact with the skin, eyes, and clothing. Wash any contaminated clothing before reuse.

Environmental Exposure Controls: Minimise release to the environment.

Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Ethanol (ethyl alcohol)	67-17-5	1,000	1,880	1000	
Turpentine (wood C ₁₀ H ₁₆) ^{note 1}	64-17-5	100	556		

Note 1: Dermal sensitiser

These components are expected to demonstrate independent effects.

Additional NZ EPA controls:

Additional Controls

Code	Section of HSNO Act	Control
Application restrictions	77A	This substance must be applied by ground-based methods only. Ground-based methods of applying pesticides include, but are not limited to, application by ground boom, air-blast, or knapsack, and do not include aerial application methods.
Additional labelling requirements	77A	The substance label must include the following statement, or words to the same effect: <ul style="list-style-type: none"> This substance be applied by ground-based methods only.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear / straw coloured transparent liquid

Odour: Fruity acids and oils, may smell slightly rancid

Odour Threshold: Ethyl alcohol 0.09 – 40334 ppm
Fatty acids 0.91 – 102 ppm

pH Value: 5.95 @ 10% solution in water

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Melting/freezing point:	Liquid at room temperature
Boiling point (range):	>239 °C
Flash Point:	45 °C; Fatty acids >130 °C
Flammability:	Flammable liquid.
Explosive limits:	Not an explosive
Vapour pressure:	Fatty acids: $3.66 \times 10^{-4} - 3.71 \times 10^{-3}$ @ 25 °C.
Vapour density:	No data
Relative density:	0.94 – 0.97
Solubility:	Emulsifiable
Partition coefficient:	3.05 – 4.09
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	<i>No data</i>

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	Avoid flammable solids and gases, and strong oxidising substances. Avoid heat, sparks and static discharge.
Corrosive Properties:	Not corrosive to metals.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

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11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral LD ₅₀ >5,000 mg/kg (rat). Acute dermal LD ₅₀ >2,000 mg/kg (rat)
Aspiration hazard	Not classified as an aspiration hazard.
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	May cause serious eye irritation
Respiratory or skin sensitisation:	May cause irritation on inhalation of mist or vapour. May cause an allergic skin reaction.
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:	No data available
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:	Not classified as toxic to the aquatic environment. Designed for biocidal action due to use as a herbicide
Bioaccumulation:	Will not bioaccumulate.
Soil Toxicity:	Non-toxic to soil organisms. Rapidly degraded soil half-life <3 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 incinerate

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	1993
Dangerous Goods Class:	Class 3
Hazchem Code:	3Z
Packaging Group:	III
Proper Shipping Name:	Flammable liquids, n.o.s.
Segregation:	Product must be segregated from explosive substances, flammable gases and aerosols, desensitised explosives, flammable, self-reacting and oxidising substances.
Marine Pollutant	Product not a marine pollutant

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15. N.Z. REGULATORY INFORMATION

Approved pursuant to the HSNO Act 1996:	HSR101254
GHS Classifications:	Flammable Liquid Cat. 2 Skin Irritant Cat. 2 Eye Irritant Cat. 2 Skin Sensitiser Cat. 1
HSNO Controls:	Refer to HSR101254
HSNO Approved codes of Practice:	Refer to HSR101254
Registered pursuant to the ACVM Act 1997:	P009954
Additional Controls:	A Hazardous Substance Location (HSL) is required for quantities >500 litres in closed containers. No more than 10 litres may be transported in a passenger service vehicle

16. OTHER INFORMATION

SDS date of preparation:	08 / 12 / 2021
SDS date of revision:	08 / 12 / 2026
Emergency Contact:	
Work Hours:	24 Hours:
Kiwicare Corporation 225 Maces Road PO Box 15050 Christchurch Tel: (03) 389 0778	National Poisons Centre PO Box 913 Dunedin Tel: 0800 764 766 (POISON)

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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

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the international carriage of dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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