

# SAFETY DATA SHEET

Product Name: Weed Weapon Natural Power Concentrate




Issue Date: 6/11/2018

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	<b>Weed Weapon Natural Power Concentrate</b>
Relevant identified uses:	Organic herbicide containing >60% fatty acid
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)

## 2. HAZARDS IDENTIFICATION

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
3.1C			Warning	H226	P103 <sup>a</sup> P210 P233 P240 P241 P242 P243 P280	P303 + P361 + P353 P370 + P378	P403 + P235	P501
6.3A	Not applicable for the UN RTDG Model Regulations		Warning	H315	P103 <sup>b</sup> P264 P280	P302 + P352 P321 P332 + P313 P362	No storage statements	P501



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6.4A <sup>j</sup>	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
6.5B	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
9.1B			No Signal Word	H411	P103 <sup>b</sup> P273	P391	No storage statements	P501

Dangerous Goods:

Class 3 flammable liquid. Signal word = Warning

Packaging Group:

III

Hazardous Substance (HSNO) Codes:

3.1C (Moderate flammable liquid)  
6.3A (Skin irritation)  
6.4A (Eye irritation)  
6.5B (Skin sensitization)  
9.1B (Toxic to aquatic environment)

Hazard Statement:

H226: Flammable liquid and vapour.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.  
H413: May cause long lasting harmful effects to aquatic life.

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.

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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

P261: Avoid breathing spray.

P264: Wash thoroughly after handling.

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

P273: Avoid release to the environment.

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

P310: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment on the label.

P362: Take off contaminated clothing and wash before re-use.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs: Get medical advice/ attention.

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 CO<sub>2</sub> fire extinguisher for extinction.

P303+361+353: IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.

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

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. This may also include any method of disposal that must be avoided.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Organic herbicide

Appearance: Clear / straw transparent liquid

#### Ingredients

Ingredients	CAS #	Content %
Fatty acids (present as a buffer system)	Mixture	>60 %
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. 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.

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## 4. FIRST AID MEASURES

Eye Contact:	May cause eye irritation. Rinse opened eye for several minutes under running water. 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:	May cause skin irritation and skin sensitization. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.
Inhalation:	If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard. 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. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766.

## 5. FIRE FIGHTING MEASURES

Specific Hazards:	Substance has a moderate flammability. Formation of toxic gases may occur if heated such as carbon monoxide, and other unidentified organic and inorganic compounds.
Suitable Extinguishing Media:	Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO <sub>2</sub> , Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions.

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## 5. FIRE FIGHTING MEASURES

Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. 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.
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## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so. Check the HSNO control document in section 15 for the emergency management. For instance, secondary containment system is needed when total pooling potential $\geq 1000$ L.
Minor Spills (Up to 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.
Major Spills (more than 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. 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.  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 spray. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.

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.

Protection against fire and explosion:

Keep away from heat sources as the product has a moderate flammability. The product is not explosive. Keep away from oxidizing agents.

Quantities of flammable liquids that activate hazardous substance location requirements (**Site and Storage conditions for 3.1 flammable liquids**)

HSNO classification	Quantity beyond which conditions apply for closed containers	Quantity beyond which conditions apply when use occurring in open containers
3.1C	500 L in containers greater than 5 L 1,500 L in containers up to and including 5 L	250 L 250 L

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 9<sup>th</sup> edition)

Engineering Controls:

General ventilation. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Hand protection:

Suitable chemical resistant gloves are recommended for applicants.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Eye protection:** Wear safety glasses or full face shield if splashes are likely to occur.
- Body protection:** Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.
- General safety and hygiene measures:** Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.
- Environmental Exposure Controls:** Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

T Substance	CAS #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Turpentine (wood C <sub>10</sub> H <sub>16</sub> ) (var)	[8006-64-2]	100	556		
Ethanol (Ethyl alcohol)	[64-17-5]	1,000	1,880		

Additional HSNO controls:

Code	Section of the Act	Control
Water	77A	This substance must not be applied into or onto water
App method		This substance must be applied by ground-based methods only
Label		The substance label must include the following statement, or words to the same effect: <ul style="list-style-type: none"> <li>• This substance must not be applied onto or into water</li> <li>• This substance be applied by ground-based methods only</li> </ul>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odour:** Clear to straw transparent liquid

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Solubility:	Forms an emulsion
Specific Gravity:	960 g/L
Flash Point:	45 °C
pH Value:	5.95 @ 10% solution
Formula:	Mixture
Chemical Family:	Organic herbicide; containing fatty acids
Oxidising Agents:	Not an oxidant
Exposure Standards (TLV-TW):	Refer to section 8
Engineering Controls:	Refer to section 8

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoided:	Avoid strong oxidising agents. Avoid heat, sparks and open flame.
Corrosive Properties:	Not corrosive according to HSNO classification.
Thermal Decomposition:	Substance has a moderate flammability. The formation of toxic/irritant gases/vapours may occur if heated.

## 11. TOXICOLOGICAL INFORMATION

### **The relevant hazard classes on ingredient:**

Fatty Acids (mixture):	HSNO 6.3A; 6.4A
Gum Turpentine (8006-64-2):	HSNO 3.1C; 6.1D(all); 6.3A; 6.4A; 6.5B; 9.1C

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## 11. TOXICOLOGICAL INFORMATION

Ethanol (64-17-5): HSNO 3.1B; 6.4A

### **For the substance (final product):**

Skin corrosion/irritation:	May cause skin irritation.
Serious eye damage/eye irritation:	May cause eye irritation.
Respiratory or skin sensitization:	May cause skin sensitization.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductivity:	Not a reproductive toxicant.
Acute Toxicity:	Acute oral LD <sub>50</sub> > 5000 mg/kg (rat)
	Acute dermal LD <sub>50</sub> > 5000 mg/kg (rat)
Chronic Toxicity:	No chronic toxicity.

## 12. ECOTOXICITY INFORMATION

Ecological information of substance:	9.1B: 1 mg/L < EC <sub>50</sub> /LC <sub>50</sub> ≤ 10 mg/L. No Environmental Exposure Limit (EEL) values are set.
Rapid degradable and Bioaccumulative:	The active ingredient is readily biodegradable.
Soil Toxicity:	No soil toxicity

## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.
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## 13. DISPOSAL CONSIDERATIONS

Container Disposal: Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air

UN Number: 1993


Dangerous Goods Class: Class 3 

Hazchem Code: 3Y

Packaging Group: III

Proper Shipping Name: Flammable liquids, n.o.s.

Segregation: Keep in a flammable material storage.

Marine pollutant: HSNO 9.1B 

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR101254

HSNO Classifications: 3.1C (Moderate flammable liquid); 6.3A (Skin irritation); 6.4A (Eye irritation); 6.5B (Skin sensitization); 9.1B (Toxic to the aquatic environment)

HSNO Controls: Refer to HSR101254

HSNO Approved codes of Practice: Refer to HSR101254

ACVM Registration Number: Refer to P009599

ACVM Controls: Refer to P009599

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## 16. OTHER INFORMATION

SDS date of preparation:	06 / 11 / 2018
SDS date of revision:	06 / 11 / 2023
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	

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## 16. OTHER INFORMATION

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.

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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