

SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Eliminate**

Print/View Date: 29/06/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Weed Weapon Eliminate
Recommended uses:	Herbicide
Restrictions on Use/Supply:	Do not apply to crops, lawns, walkways, and similar areas.
Molecular Formula:	Mixture – wettable granule
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
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
Aquatic Acute 1			Warning	H400	P103 ^b P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 ^b P273	P391	No storage statements	P501

Signal word: **WARNING**

Dangerous Goods: **Class 9**

Packaging Group: **III**

Hazardous Substance (GHS) Codes: **Eye Irritation Cat. 2
Aquatic Acute Cat. 1
Aquatic Chronic Cat. 1**

Pictograms:

Hazard Statement: **H319: Causes serious eye irritation
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long-term effects
Hazardous to soil organisms**

Precautionary Statements: **P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.**

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P103: Read label before use.

P264: Wash hands thoroughly after handling

P280: Wear eye protection/face protection

P273: Avoid release to the environment

P391: Collect spillage

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

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

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: Off White Granule

Ingredients

Ingredients	CAS #	Content %
Metsulfuron-methyl	74223-64-6	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: Rinse mouth. Drink 1 or 2 glasses of milk or water. 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

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	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. 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:	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

5. FIRE FIGHTING MEASURES

HAZCHEM code:	2Z
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Use extinguishing media appropriate to the surrounding conditions. Avoid water jets.
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:	Nil

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Moisten granules to prevent dust and sweep up. Contain spill and collect in sealable container for disposal. Spill residues can be cleaned using water and detergent.

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Major Spills (more than 20 kg): Minimise spread. Contain spill and collect. Do not allow product 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 dust. 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 although the product has no flammability. The product is not explosive. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: A tolerable exposure limit (TEL) for drinking water has been set for metsulfuron-methyl. The TEL = 0.04 mg/l

Engineering Controls: No special requirements when used as recommended.

Hand protection: If repeated or prolonged contact wear chemical resistant gloves.

Eye protection: If there is significant potential for contact, wear safety goggles.

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Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	Use a respirator or disposable mask to prevent irritation from dust.
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.

Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Water	77A	Where the substance is applied onto or into water ^[1] any instances of unintended or accidental by-kills are to be reported 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 or collected. (Refer to EPA website for additional information) ^[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
Environmental Exposure Limit.	77A	An environmental exposure limit (EEL) has been set for metsulfuron-methyl. The EEL value is 0.0084 mg/l
Tolerable Exposure Limit	77A	A tolerable exposure limit (TEL) for drinking water has been set for metsulfuron-methyl. The TEL = 0.04 mg/l

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white granule
Odour:	Slightly Pungent
Odour Threshold:	No data
pH Value:	4 - 7 (1% dispersion)
Melting point:	162 °C (metsulfuron-methyl)
Boiling point (range):	No data

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Flash Point:	Not applicable
Flammability:	Not flammable
Explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density:	0.96g/cm ³
Solubility:	Dispersible
Partition coefficient:	n-octanol/water: LogP = -1.87
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Corrosive Properties:	Not corrosive to eyes or skin.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class:	Eye Irrit.2
Acute Toxicity:	Acute oral LD ₅₀ >5000 mg/kg (rat). Acute dermal LD ₅₀ >5000 mg/kg (rat)
Aspiration hazard	May cause irritation on inhalation of dust

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Skin corrosion/irritation:	Unlikely to cause skin irritation and dermatitis, due to degreasing properties of the product
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:	This product is not carcinogenic
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not applicable
Specific organ toxicity – repeated exposure:	Not applicable
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 and short-term effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Rainbow trout, LC ₅₀ (96 hr) >150 mg/L Water flea, EC ₅₀ (48 hr) >150mg/L Aquatic plants (<i>Lemna</i> sp.) 7d EC ₅₀ = 0.00036 mg/l
Bioaccumulation:	Not likely to Bioaccumulate
Soil Toxicity:	Hazardous to soil organisms

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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:	3077
Dangerous Goods Class:	Class 9
Hazchem Code:	2Z
Packaging Group:	III
Proper Shipping Name:	Environmentally hazardous substance, Solid, N.O.S. (Metsulfuron-Methyl 60%)
Segregation:	Food, feed, and clothing.

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000242
GHS Classifications:	Eye Irrit.2, Aquatic Acute 1, Aquatic Chronic 1
HSNO Controls:	Refer to HSR000242

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Additional Controls:

Stores containing more than 100Kg require secondary containment, signage, and an emergency response plan.

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.

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: 20 / 04 / 2022

SDS date of revision: 20 / 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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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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