

SAFETY DATA SHEET

KIWICARE®

Product Name: **Weed Weapon Red Dye Marker**

Print/View Date: 29/06/2022

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Weed Weapon Red Dye Marker
Relevant identified uses:	A temporary red spray indicator for application with herbicide sprays.
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
Acute Tox. 4 (Oral)	Not applicable for the UN RTDG Model Regulations		Warning	H302	P102 P103 ^b P264 P270	P101 ^b P301+P312 P330	No storage statements	P501
Eye Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P102 P103 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

Signal word:

WARNING

Dangerous Goods:

Not a DG for transport

Packaging Group:

Not applicable: Packaging must comply with Part B, clause 8 – Hazardous Substances (Packaging) Notice 2017

Hazardous Substance (GHS) Codes:

Acute Oral Toxicity Cat. 4 (H302)

Eye Irritation Cat. 2 (H319)

Specific Target Organ Toxicity- Repeated Exposure Cat. 2 (H373)

Pictograms:



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Hazard Statement:	H302: Harmful if swallowed. H319: Causes serious eye irritation. H373: May cause liver damage through repeated and prolonged exposure. 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. P260: Do not breathe mist or spray. P264: Wash exposed skin thoroughly after use. P270: Do not eat, drink, or smoke while using this product. P280: Wear a respirator, eye protection, gloves and protective clothing when using. P330: Rinse mouth. P301+P312: If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P314: Get medical advice/attention if you feel unwell. 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: Red coloured liquid

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Ingredients

Ingredients	CAS #	Content %
Rhodamine B	81-88-9	10-30
Diethylene Glycol	111-46-6	>60
Water		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:	If swallowed, rinse mouth. Seek medical advice or call NZ Poisons Centre on 0800 764 766, if feeling unwell and have product label at hand.
Eye Contact:	Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice if irritation persists and have product label at hand.
Skin Contact:	If on skin, wash skin with soap and water. Staining of skin should be expected. If skin irritation develops seek medical.
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, move patient to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if feeling unwell.
Advice for Medical Doctors:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

HAZCHEM code:	Not applicable
Specific Hazards:	See hazardous products of combustion. Minimise the use of water to prevent environmental contamination.

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Suitable Extinguishing Media:	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:	Nil

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Contain spill and absorb using soil or similar. Collect and dispose in sealed container / bag.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways, stormwater drains 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 or spray. Do NOT drink. Wear PPE including coveralls, gloves, respirator, and eye protection. 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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Conditions for safe Storage including incompatibilities: Keep out of the reach of children.
Store away from foodstuffs, children, and animals.
Minimum shelf life: 2 years.

Protection against fire and explosion: The product is not explosive under normal conditions.
Keep away from oxidizing agents or strong corrosives.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure standards: No exposure standards apply to this product.

Engineering Controls: Store locked. Keep away from foodstuff, animal feed, children, and pets.

Hand protection: If repeated or prolonged contact wear chemical resistant gloves (natural rubber, nitrile, neoprene, or PVC are all suitable). Wash hands and exposed skin with soap and water after use.

Eye protection: Wear eye protection or face shield.

Body protection: Standard work clothes.

Respiratory Protection: Wear a respiratory suitable for organic vapours.

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 #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Diethylene Glycol	[111-46-6]	10	44	40	176

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red liquid
Odour:	Mild Odour
Odour Threshold:	No data
pH Value:	No data
Melting/freezing point:	<0°C
Boiling point (range):	Approx. 100 °C
Flash Point:	Will not flash
Flammability:	Not flammable
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.00 – 1.02
Solubility:	Miscible
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. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	No data available

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Corrosive Properties:	This product is not corrosive to eyes or skin.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Classes	Acute Tox (O). 4; Eye Irrit. 2; STOT Rep. Exp. 2
Acute Toxicity:	Acute oral LD ₅₀ >300 mg/kg (rat). Acute dermal LD ₅₀ >5,000 mg/kg (rat)
Aspiration hazard	Not an aspiration hazard
Skin corrosion/irritation:	Not a skin corrosive
Serious eye damage/irritation:	May cause serious eye irritation
Respiratory or skin sensitisation:	May cause respiratory irritation on breathing mist or spray.
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:	Liver
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

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12. ECOTOXICITY INFORMATION

Ecological information of substance:	Hazardous to terrestrial vertebrates. Following ecotoxicity data for pure active. 96h LC ₅₀ (fish) = 58.3mg/l. 48h LC ₅₀ (daphnia) = 22.9 mg/l
Bioaccumulation:	Will not bioaccumulate
Soil Toxicity:	Rapid – no specific data

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.

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	Not applicable
Dangerous Goods Class:	Not a Dangerous Good
Hazchem Code:	Not applicable
Packaging Group:	Not applicable
Proper Shipping Name:	Not applicable
Segregation:	Food and Feed.

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15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR002670
GHS Classifications:	Acute Tox (O). 4; Eye Irrit. 2; STOT Rep. Exp.2.
HSNO Controls:	Refer to HSR002670 - Surface Coatings and Colourants Susidary Group Standard 2020
Additional Controls:	Signage required when ≥ 1000-litres present on site. Emergency Response Plan and secondary containment required where ≥ 1000-litres present on site.

16. OTHER INFORMATION

SDS date of preparation: 10 / 06 / 2022

SDS date of revision: 10 / 06 / 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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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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