

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *Dye & Stick Concentrate*

Print/View Date: 13/12/2022

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>Dye and Stick Concentrate</b>
Recommended uses:	Temporary visible red dye indicator for applications with herbicide spray.
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
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
STOT Rep. Exp. 2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P260	P314	No storage statements	P501
Aquatic Chronic 2			No Signal word	H411	P103 P273	P391	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Eye Irritant Cat. 2  
 Specific Target Organ Toxicity- Repeated Exposure Cat. 2  
 Aquatic Chronic Cat. 2

Pictograms:



Hazard Statement:

H319: Causes serious eye irritation.  
 H373: May cause damage to organs through prolonged or repeated exposure.  
 H411: Toxic to aquatic life with long lasting effects.  
 Hazardous to terrestrial vertebrates

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## 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 hands and face thoroughly after handling.

P273: Avoid release to the environment.

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

P314: Get medical advice/attention if you feel unwell.

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: Dark purplish red solution

### Ingredients

Ingredients	CAS #	Content %
Rhodamine B	81-88-9	4-5%
Propane1,2-diol	57-55-6	2-3%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

## 4. FIRST AID MEASURES

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General information:	In case of accident, or if you feel unwell, seek medical advice (show the label where possible).
Ingestion:	Drink one or two glasses of milk or water. If feeling unwell seek medical advice and 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:	Unlikely to cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If skin irritation develops, seek immediate medical advice.
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, seek medical advice. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically

## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	3Z
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
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:	No data for the mixture

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## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Low environmental hazard. Contain spill and collect.
Major Spills (more than 20 kg):	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 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.  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:	See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure Edition 13, 2022)
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Engineering Controls:	No special requirements when used as recommended.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	Wear safety goggles or full-face shield to avoid splashes.
Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	Use respirator or disposable masks to avoid inhaling spray.
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 <sup>3</sup>	ppm	mg/m <sup>3</sup>
Propane-1,2-diol, Vapour, and particulates	[57-55-6]	150	474		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark purplish red solution
Odour:	Mild Odour
Odour Threshold:	No data
pH Value:	Not applicable
Melting/freezing point:	No data (Rhodamine B 165°C)
Boiling point (range):	No data

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Flash Point:	>100 °C
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.01-1.04 Kg/L
Solubility:	Soluble in water
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
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 avoided:	Avoid strong oxidising agents. Avoid heat sparks and open flames.
Corrosive Properties:	Not corrosive to metals.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Class:	Eye Irrit. 2; STOT Rep Exp. 2
Acute Toxicity:	No data for the mixture Acute oral LD <sub>50</sub> = 887 mg/kg (mouse).

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Acute dermal LD<sub>50</sub> = 180 mg/kg (mouse)

Aspiration hazard	Unlikely to cause an aspiration hazard
Skin corrosion/irritation:	Unlikely to cause skin irritation/corrosion
Serious eye damage/irritation:	Can cause serious eye irritation.
Respiratory or skin sensitisation:	Unlikely to cause respiratory or skin sensitisation
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
Specific organ toxicity – repeated exposure:	Kidney and reproductive system
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 lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging.
Bioaccumulation:	This product does not have the potential to bioaccumulate. Rhodamine B is not biodegradable.
Soil Toxicity:	No data for the mixture.

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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:	3Z
Packaging Group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S
Segregation:	Food and Feed stuff

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR002503
GHS Classifications:	Eye Irrit. 2; STOT RE.2; Aquatic Chronic 2
HSNO Controls:	Refer to HSR002503, Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017

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Additional Controls: Stores containing more than 1000 litres should have signage, secondary containment, and emergency response plans.

## 16. OTHER INFORMATION

SDS date of preparation: 12 / 09 / 2022

SDS date of revision: 12 / 09 / 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
H Phrase:	Hazard Phrase
HSNO:	Hazardous Substances and New Organisms (1996) Act
IATA:	International Air Transport Association

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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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