

SAFETY DATA SHEET

Product Name: Dye & Stick Concentrate

Issue Date: 19/06/2018

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Dye & Stick 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)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	9; signal word = warning
Packaging Group:	III
Hazardous Substance (HSNO) Codes:	6.1E - Oral toxicity 6.3B - Mild skin irritant 6.4A - Eye irritant 6.9B - Harmful to human target organs or systems 9.1B - Toxic to aquatic life 9.3C - Harmful to terrestrial vertebrates

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2. HAZARDS IDENTIFICATION

Hazard Statements:

H303: May be harmful if swallowed.
 H316: Causes mild skin irritation.
 H319: Causes serious eye irritation.
 H371: May cause damage to organ
 H411: Toxic to aquatic life with long lasting effects.
 H433: Harmful 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.
 P264: Wash thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P260: Do not breathe spray.
 P270: Do not eat, drink or smoke when using this product.
 P273: Avoid release to the environment.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P391: Collect spillage.
 P405: Store locked up
 P332+313: If skin irritation occurs: Get medical advice/ attention.
 P309+311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 P337+313: If eye irritation persists: Get medical advice/attention.
 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: In the case of a substance that is in compliance with a HSNO approval; the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

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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
6.1E (oral)	Not applicable for the UN RTDG Model Regulations	No pictogram	Warning	H303	P102 ^b P103*	P101 ^b P312	No storage statements	P501
6.3B	Not applicable for the UN RTDG Model Regulations	No pictogram	Warning	H316	P103 ^b	P332 + P313	No storage statements	P501
6.4A ¹	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 ^b P264 P280	P305 + P351 + P338 P337 + P313	No storage statements	P501
6.9B (Single exposure)	Not applicable for the UN RTDG Model Regulations		Warning	H371	P103 ^b P260 P264 P270	P309 + P311	P405	P501
9.1B			No Signal Word	H411	P103 ^b P273	P391	No storage statements	P501
9.3C	Not applicable for the UN RTDG Model Regulations	No Pictogram	No Signal Word	H433	P103 ^b P273	No response statements	No storage statements	P501

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Organic Dye

Appearance: Dark purplish red solution

Ingredients

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Content % w/w or w/v
Rhodamine B	81-88-9	5.00%
Other ingredients	Mixture	17.50%
Water	7732-18-5	77.75%

4. FIRST AID MEASURES

General information:	In case of accident, or if you feel unwell, seek medical advice (show the label where possible).
Ingestion:	Minimal oral toxicity, if in mouth, 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.
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 mild skin irritation, avoid skin contact. If on skin, 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 but still avoid breathe in. 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.

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5. FIRE FIGHTING MEASURES

Specific Hazards:	Clear fire area of all non-emergency personnel.
Suitable Extinguishing Media:	Water spray, foam, CO2, dry chemical or any class B extinguishing agent.
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.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 L):	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 L):	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.

7. HANDLING AND STORAGE

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7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin. 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 even though the product is not combustible. The product is not explosive. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 th 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.
Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

P Substance	CAS #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Propane-1,2-diol Vapour and particulates Particulates only	[57-55-6]	150	474 10		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Dark purplish red solution
Solubility:	Soluble in water
Specific Gravity:	1.01 – 1.04 at 20 °C
Boiling Point:	≈ 100 °C
Flash Point:	>93 °C
pH Value:	None allocated
Explosion Hazard:	Not explosive
Formula:	Mixture
Chemical Family:	Organic Dye

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9. PHYSICAL AND CHEMICAL PROPERTIES

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 avoid: Avoid strong oxidising agents. Avoid heat, sparks and open flame.

Corrosive Properties: None corrosive.

Thermal Decomposition: The formation of toxic/irritant gases/vapours may occur if heated.

11. TOXICOLOGICAL INFORMATION

The relevant hazard classes on ingredients:

Rhodamine B (81-88-9): 6.1C (oral); 6.3B; 6.4A; 6.9B (oral); 9.1C; 9.2C; 9.3B.

For the substance (final product):

Skin corrosion/irritation: May cause mild irritation.

Serious eye damage/eye irritation: May cause eye irritation.

Respiratory or skin sensitization: Unlikely to cause an allergic skin reaction.

Germ cell mutagenicity: Not mutagenic.

Carcinogenicity: Not carcinogenic.

Reproductivity: Not reproductive.

Acute Toxicity: Acute oral $2000 < LD_{50} \leq 5000$ mg/kg (calculated)

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11. TOXICOLOGICAL INFORMATION

Chronic Toxicity: May cause damage to organs through prolonged or repeated exposure.

12. ECOTOXICITY INFORMATION

Ecological information of substance: HSNO 9.1B or GHS H400/410; Ecotoxic in the aquatic environment. HSNO 9.3C or GHS H433. 1 mg/L < LC₅₀ ≤ 10mg/L.

Rapid degrade and Bioaccumulative: Rhodamine B is neither rapid degradable nor Bioaccumulative according to the CCID.

Soil Toxicity: No Soil toxicity.

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001.

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: 3082

Dangerous Goods Class: 9

Hazchem Code: 3Z

Packaging Group: III

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14. TRANSPORT INFORMATION

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, Liquid, N.O.S. (Contains 5%
Rhodamine B).

Segregation: Not allocated.

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR002503

HSNO Classifications: 6.1E - Oral toxicity
6.3B - Mild skin irritant
6.4A - Eye irritant
6.9B - Harmful to human target organs or
systems
9.1B - Toxic to aquatic life
9.3C - Harmful to terrestrial vertebrates

HSNO Controls: See HSR002503

HSNO Approved codes of Practice: See HSR002503

16. OTHER INFORMATION

SDS date of preparation: 28 / 06 / 2017

SDS date of revision: 28 / 06 / 2022

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 an update is obtained.

For further information visit the Kiwicare web site, 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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