

SAFETY DATA SHEET

Product Name: Dye & Stick

Issue Date: 21/07/2014

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Dye & Stick
Synonyms:	
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:	
National Poisons Centre:	0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	Not a Dangerous Good.
Packaging Group:	III

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2. HAZARDS IDENTIFICATION

Hazardous Substance (HSNO) Codes:

- 6.1C – Very toxic to humans
- 6.3B – Mild skin irritant
- 6.4A – Eye irritant
- 6.5B – Dermal sensitizer
- 6.9B – Harmful to human target organs or systems
- 9.1C – Harmful to aquatic life
- 9.2C – Harmful to soil organisms
- 9.3B – Toxic to terrestrial vertebrates

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Spray additive

Appearance: Red liquid

Ingredients

Ingredients	CAS #	Content % w/w or w/v
Anionic dyestuff (Rhodamine B)	81-88-9	<30% w/w

4. FIRST AID MEASURES

Ingestion: If ingestion occurs, do not induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in recovery position. Obtain medical advice immediately.

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4. FIRST AID MEASURES

Eye Contact:	Causes eye irritation. Check for and remove any contact lenses if easy to do so. Do not use an eye ointment. Flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice.
Skin Contact:	Mild skin irritant. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation occurs get medical advice.
Inhalation:	Can cause irritation of upper respiratory tract. If ill effects persist call a doctor. Seek immediate medical attention.
Notes to Physician:	Treat symptomatically. Gastric lavage with medicinal charcoal in water is recommended.

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:	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up:

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6. ACCIDENTAL RELEASE MEASURES

Minor Spills (Up to 20 L):

Floor may be slippery if wet. Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. 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 incinerated at an authorised installation.

Major Spills (more than 20 L):

Floor may be slippery if wet. Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. 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

Handling:

Spray marker dye is coloured and will strongly stain skin and clothing. The colour on the skin is not deep and will naturally disappear over a few days. Rinse out empty containers and do not use for any other purpose.

Storage:

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. Keep container sealed when not in use.

All aspects of storage, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	None allocated.
Engineering Controls:	Always use with adequate ventilation.
Personal Protection:	Avoid all personal contact. Wear suitable protective clothing. Wash protective clothing before storage or reuse. Wash hands after use and before, using tobacco products, or toilet facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	
Solubility:	None allocated.
Specific Gravity:	1.01 – 1.04
Boiling Point:	None allocated.
Freezing Point:	None allocated.
Melting Point:	None allocated.
Vapour Pressure:	None allocated.
Coefficient of Cubic Expansion:	None allocated.
Relative Vapour Density:	None allocated.
Decomposition Point:	None allocated.
Viscosity:	None allocated.
Flash Point:	None allocated.
Electrostatic Generation:	None allocated.
Auto-ignition Temperature:	None allocated.
% Volatile by Volume:	None allocated.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Flammable Limits:	None allocated.
pH Value:	None allocated
Evaporation Rate:	None allocated
Explosion Hazard:	None allocated
Formula:	None allocated
Molecular Weight:	None allocated
Chemical Family:	None allocated
Other:	None allocated
Oxidising Agents:	None allocated
Acids:	None allocated
Alkalis:	None allocated
Salt or Freshwater:	None allocated
Exposure Standards (TLV-TW):	None allocated
Engineering Controls:	None allocated

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use
Incompatibility:	Incompatible with strong oxidising agents. Hazardous Decomposition Products: Avoid contact with aluminium, alumin alloys, copper rich alloys and neoprene. Hazardous Reaction: Violent reactions between spray marker dye and oxidising agents are possible.
Corrosive Properties:	Not corrosive
Thermal Decomposition:	None

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11. TOXICOLOGICAL INFORMATION

General:

Acute Effects

Ingestion: LD50 (rat) 400 - 2000 mg/kg for Rhodamine B

Eye Contact: Prolonged contact with the concentrate may cause damage to the eye.

Skin Contact: Prolonged contact with the concentrate may cause irritation. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis. This product will stain the skin which may persist for some time.

Inhalation: May cause irritation to mucous membranes and respiratory tract. The components of the product are of low volatility and no adverse effects are expected from handling the concentrate. Breathing vapour can result in headaches and nausea

Long Term Effects: Rhodamine B has been assessed in animals and some data exists that Rhodamine B is a substance which causes some concern for humans owing to possible carcinogenic effects from long term exposure, but in respect of which the available information is not adequate for making a satisfactory assessment.

Acute Toxicity: LD50 (rat) 400 - 2000 mg/kg for Rhodamine B

Chronic Toxicity: None known.

12. ECOTOXICITY INFORMATION

Environmental Effects: LC50 (96 hr) for fish is 10 - 100 mg/l for Rhodamine B

13. DISPOSAL CONSIDERATIONS

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13. DISPOSAL CONSIDERATIONS

Product Disposal:	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals
Container Disposal:	Do not use this container for any other purpose. Triple rinse container and add residue to spray tank. Submit clean empty container for recycling through Agrecovery. If this is not possible, burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill

14. TRANSPORT INFORMATION

Road and Rail

UN Number:	None
Dangerous Goods Class:	Not a Dangerous Good.
Hazchem Code:	
Packaging Group:	
Proper Shipping Name:	
Segregation:	

Marine

UN Number:	None
Class:	Not a Dangerous Good.
Packaging Group:	
Proper Shipping Name:	

Air Transport

UN Number:	None
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14. TRANSPORT INFORMATION

Class: Not a Dangerous Good.

Packaging Group:

Proper Shipping Name:

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR002508

HSNO Classifications: 6.1C, 6.3B, 6.4A, 6.5B, 6.9B, 9.1C, 9.2C, 9.3B

HSNO Controls: See EPA website www.epa.govt.nz

HSNO Approved codes of Practice: See EPA website www.epa.govt.nz

16. OTHER INFORMATION

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 three years before and 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

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.