

SAFETY DATA SHEET

SECTION 1 : Identification of the material and supplier

Product Name : TRACKER[†] Red Marker Dye

Description: Dye

Recommended Use: Liquid marking dye and foam marker colouring agent

Product Code: 19710

Supplier Name: Victorian Chemical Co. Pty. Ltd.

Address: 83 Maffra Street
Coolaroo, Victoria 3048
Australia

Telephone: +61-(0) 3-9301 7000

Fax: +61-(0) 3-9309 7966

24h Emergency contact number: +61-(0) 3-9301 7099 (Emergency ONLY)

SECTION 2 : Hazards Identification

GHS Classification: Classified as **Hazardous** according to the Global System of Classification and labelling of Chemicals.
Not classified as Dangerous Goods according to Australian Dangerous Goods Code

Acute Toxicity-Oral: Category 4
Eye Damage: Category 1
Germ Cell Mutagenicity: Category 2
Carcinogenicity: Category 2
Acute Aquatic Hazard: Category 3

Pictogram:



Signal Word: DANGER

Hazard Statements: H302 Harmful if swallowed
H318 Causes serious eye damage
H341 Suspected of causing genetic defects
H351 Suspected of causing cancer
H402 Harmful to aquatic life

Precautionary Statements: P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P273 Avoid release to the environment
P280+P281 Wear eye protection/face protection as required
P308+P313 IF EXPOSED or concerned: Get medical advice
P301+P312+P330 IF SWALLOWED rinse mouth. Call a POISON CENTER or doctor if you feel unwell
P305+P351+P338+310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER of doctor
P405 Store locked up
P501 Dispose of contents in accordance with local regulations



VICTORIAN CHEMICAL CO. PTY. LTD.

ABN 36 004 188 863

83 Maffra Street, Coolaroo, Victoria, 3048, Australia

Tel: +61-(0) 3-9301 7000 Fax: +61-(0) 3-9309 7966

Website: www.vicchem.com E-mail: products@vicchem.com

SAFETY DATA SHEET

SECTION 3 : Ingredients Composition/Information

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Proportion</u>
Rhodamine B	81-88-9	150 g/L
Diethylene Glycol	111-46-6	60-90%
Other non hazardous ingredients including water	n/a	< 30%

SECTION 4 : First Aid Measures

Swallowed:	Rinse mouth with water. Give water to drink. Do not induce vomiting, make every effort to prevent vomit entering the lungs by careful placement of the patient. Seek medical advice quickly.
Eye:	Irrigate with copious quantities of water for 15 minutes. Seek medical advice quickly.
Skin:	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice.
Inhaled:	Move to fresh air. Seek medical advice if nausea or vomiting occurs.
First Aid Facilities:	Ensure eye bath and safety shower are available and ready for use.
Advice to Doctor:	Treat symptomatically. If vomiting has occurred, vomitus may have been aspirated into the lungs which may cause lung damage.

SECTION 5 : Fire Fighting Measures

Suitable extinguishing media: Foam, Carbon Dioxide, Dry Chemical. Avoid using large volumes of water which would spread the product

Hazards from combustion products: In the event of fire the following can be released. Carbon monoxide, carbon dioxide, oxides of nitrogen and possibly traces of hydrogen chloride.

Precautions for fire fighters and special protective equipment: If exposed to fire, keep container cool by spraying with water. Fire fighters should wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

SECTION 6 : Accidental Release Measures

Emergency procedures: Slippery when spilt, clean up immediately. Wear protective equipment to prevent skin and eye damage.

Methods and materials for containment and clean up: Prevent run off into drains and waterways. Contain spills with absorbent material such as sand or soil. Collect and seal in properly labelled containers for disposal. Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal site.



VICTORIAN CHEMICAL CO. PTY. LTD.

ABN 36 004 188 863

83 Maffra Street, Coolaroo, Victoria, 3048, Australia

Tel: +61-(0) 3-9301 7000 Fax: +61-(0) 3-9309 7966

Website: www.vicchem.com E-mail: products@vicchem.com

SAFETY DATA SHEET

SECTION 7 : Handling and Storage

Precautions for safe handling: Marker dye is coloured and will strongly stain skin and clothing. If skin has been exposed to the product, thorough washing with soap and water will remove any excess product. The colour on the skin is not deep and will naturally disappear over a few days.

Conditions for safe storage: Store in the closed original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

Bulk Storage: C2 Combustible liquid

SECTION 8 : Exposure / Personal Protection

National exposure standards: NOHSC has set the following exposure standard for Diethanol Glycol:

TLV (TWA) 23ppm / 100mg/m³, STEL - n/a

Biological limit values: None Allocated.

Engineering controls: Ensure adequate ventilation to keep exposure levels to a minimum.

Personal protective equipment: Wear safety glasses or goggles, impermeable gloves (PVC or neoprene) and overalls.

Hygiene measures: After use and before eating, drinking or smoking; wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

SECTION 9 : Physical and Chemical Properties

Appearance:	Deep red liquid	Solubility in Water:	Soluble
Boiling Point:	>240°C	Flashpoint:	> 96°C
Melting Point:	< 0°C	Flammability Limits:	n/a
Viscosity @ 40°C:	Not Available	Volatile Component:	None
Partition co-efficient, n-octanol/water:	Kow Log P is 1.95 for Rhodamine B	Vapour Pressure:	0.0013kPa @ 20°C (Diethylene Glycol)
Specific Gravity:	0.945 @ 20°C		

SECTION 10 : Stability and Reactivity

Hazardous Polymerization: Hazardous polymerisation is not possible

Hazardous decomposition products: Avoid contact with aluminium, alumin alloys, copper rich alloys and neoprene

Hazardous reactions: Violent reactions between marker dye and oxidising agents are possible.



VICTORIAN CHEMICAL CO. PTY. LTD.

ABN 36 004 188 863

83 Maffra Street, Coolaroo, Victoria, 3048, Australia

Tel: +61-(0) 3-9301 7000 Fax: +61-(0) 3-9309 7966

Website: www.vicchem.com E-mail: products@vicchem.com

SAFETY DATA SHEET

SECTION 11 : Toxicological Information

Acute effects:

- Swallowed:** Ingestion may cause nausea, vomiting and central nervous system depression.
- Eye Contact:** Prolonged contact with the concentrate may cause damage to the eye.
- Skin:** Repeated exposure 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.
- Inhaled:** 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.

Carcinogenicity

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. Rhodamine B was included on the US EPA list 4B: Minimal Concern

Ingredients: Minimal concern (List 4B) substances for which EPZ has sufficient information to reasonably conclude that the current use pattern in pesticide products will not adversely affect public health or the environment.

Acute Toxicity:

- Oral** LD50 (rat) 400-2000 mg/kg for Rhodamine B
- Eye** The product is an eye irritant
- Skin** Mild skin irritant.

SECTION 12 : Ecological Information

Other Precautions: Do not contaminate dams, waterways or sewers with this product.

Acute Toxicity - Fish: LC50 (96hr) for fish is 10-100 mg/L for Rhodamine B.

SECTION 13 : Disposal Considerations

Disposal Methods: 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 containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning. If not recycling, puncture or shred and dispose of in landfill in accordance with local regulations. Empty containers and product should not be burnt.

Special precautions for landfill or incineration: Do not contaminate waterways



VICTORIAN CHEMICAL CO. PTY. LTD.

ABN 36 004 188 863

83 Maffra Street, Coolaroo, Victoria, 3048, Australia

Tel: +61-(0) 3-9301 7000 Fax: +61-(0) 3-9309 7966

Website: www.vicchem.com E-mail: products@vicchem.com

SAFETY DATA SHEET

SECTION 14 : Transport Information

UN Number: None allocated

UN Proper Shipping Name: Not applicable

Class: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Road and Rail Transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport: Not classified as Dangerous Goods by the criteria of the international Air Transport (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15 : Regulatory Information

Classification: All components are listed on the AICIS

Poisons Schedule: None allocated

Packaging & Labelling: READ SAFETY INSTRUCTIONS BEFORE OPENING OR USING

Rhodamine B was included on the US EPA list 4B: Minimal Concern Ingredients. Minimal Concern Ingredients (List 4B) substances for which EPA has sufficient information to reasonably conclude that the current use pattern in pesticide products will not adversely affect public health or the environment.

SECTION 16 : Other Information

None Available

CONTACT POINT

This SDS summarises at date of issue our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Since Victorian Chemical Co. Pty. Ltd. cannot anticipate or control the conditions under which the product may be used, prior to usage each user must review this SDS in the context of how the product will be handled and used in the workplace.

Victorian Chemical Co. Pty. Ltd. will not be responsible for any damage caused by the use of the product otherwise than in accordance with the directions and information contained in this document.

If clarification or further information is required to ensure that an appropriate risk assessment can be made, the user should contact Victorian Chemical Co. Pty. Ltd. (03) 9301 7000. Ask for Technical Manager.

Safety Data Sheets are updated regularly. Please ensure that you have a current copy.

† Trademark used under licence.