

**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](http://www.vicchem.com)E-mail: [products@vicchem.com](mailto:products@vicchem.com)**MATERIAL SAFETY DATA SHEET****SECTION 1 : Identification of the material and supplier****Product Name:** TRACKER Red Marker Dye

Other Names: None

Recommended Use: Liquid marking dye and foam marker colouring agent

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

Australian Emergency contact number: +61-(0) 3-9301 7000 (office hours)

**SECTION 2 : Hazards Identification**

Classified as hazardous according to the criteria of NOHSC

**Risk Phrase(s)**

R22 Harmful if swallowed

R41 Risk of serious damage to eyes

**Safety Phrase(s)**

S2 Keep out of reach of children.

S13 Keep away from food, drink and animal feed stuffs.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46 If swallowed, seek medical advice immediately and show this container or label.

**Other Information:** Not on Poisons Schedule**SECTION 3 : Ingredients Composition/Information**

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Proportion</u>
Rhodamine B	81-88-9	150g/L
Diethylene glycol	111-46-6	60 - 90%
Other non hazardous ingredients including water	n/a	0 - 30%



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## SECTION 4 : First Aid Measures

Swallowed:	Rinse mouth with water. Give water to drink. Do not induce vomiting. Seek medical advice immediately. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Eye:	If in eyes, hold eyelids open and wash with copious quantities of water for 15 minutes. Seek medical advice immediately.
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:** Water Fog, Foam, Carbon Dioxide, Dry Chemical. Avoid using large volumes of water which would spread the product.

**Hazards from combustion products:** In the event of a 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.

## 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.

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### **SECTION 8 : Exposure / Personal Protection**

**National exposure standards:** NOHSC has set the following exposure standard for diethylene glycol: TLV (TWA) 100mg/m<sup>3</sup>, STEL -

**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**

<b>Appearance:</b>	Deep red liquid.
<b>Boiling Point:</b>	>240°C
<b>Melting Point:</b>	< 0°C
<b>Solubility in Water:</b>	Soluble in water.
<b>Specific Gravity:</b>	0.945
<b>Vapour Pressure</b>	0.0013kPa @ 20°C (diethylene glycol)
<b>Volatile Component</b>	None
<b>Partition co-efficient, n-octanol/water</b>	Kow Log P is 1.95 for Rhodamine B
<b>Flashpoint:</b>	> 96°C
<b>Flammability Limits:</b>	Combustible

### **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.

### **SECTION 11 : Toxicological Information**

Inhalation:	May cause irritation to mucus 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.
Ingestion:	Possible symptoms of exposure include: Nausea, vomiting and central nervous system depression.
Skin :	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

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product will stain the skin which may persist for some time.

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

**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 recently 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 Irritation** The product is an eye irritant.

**Skin Irritation** 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**

**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 containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. If not recycling, puncture or shred and bury in local authority landfill. Empty containers and product should not be burnt.

**SECTION 14 : Transport Information**

It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilisers during transport.

**UN Number:** None Allocated

**UN Proper Shipping Name:** None Allocated

**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.

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

<b>SECTION 15 : Regulatory Information</b>
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**Poisons Schedule:** None Allocated

**Packaging & Labelling:** READ SAFETY DIRECTIONS BEFORE OPENING OR USING

All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS)

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

<b>SECTION 16 : Other Information</b>
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None Available

### **CONTACT POINT**

This MSDS 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. cannot anticipate or control the conditions under which the product may be used, prior to usage each user must review this MSDS in the context of how the product will be handled and used in the workplace.

Victorian Chemical Co. 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. (03) 9301 7000. Ask for Technical Manager.

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