

## TRAKKA Rhodamine B

Date of Issue: 25 July 2008

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Rhodamine B

**Recommended use:** Marker dye for use with agrichemicals

**Supplier:** Elliott Technologies Limited  
PO Box 838  
Pukekohe  
Phone 0800 100 325

**Emergency telephone number:** 0800 Poison (0800 764 766) 24 Hours

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** 6.1C, 6.3B, 6.4A, 6.5B, 6.9B, 9.1C, 9.2C, 9.3B  
Keep out of the reach of children.

**Required identification Details:** Keep away from food, drink and animal feed stuffs.  
May be harmful if swallowed  
Risk of serious damage to eyes.  
Mild skin irritant  
May cause irritation to mucous membranes and respiratory tract  
Prolonged skin exposure may cause irritation  
Possible carcinogen

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Rhodamine B	81-88-9	15
Diethyleneglycol	111-46-6	
Other non-hazardous substances to 100%		

### 4. FIRST-AID MEASURES

#### Description of necessary first aid measures:

#### Effects and symptoms

#### First-aid measures

#### Inhalation:

Remove affected person to fresh air until recovered Seek medical advice if effects persist.

#### Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Seek medical advice and show this container.

#### Skin contact:

If skin or hair contact occurs, immediately remove any

contaminated clothing and wash skin and hair thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If, irritation occurs seek medical assistance.

**Eye contact:**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Seek medical treatment if effects continue after first aid treatment

**Notes to a physician:**

Treat symptomatically. Gastric lavage with medicinal charcoal in water is recommended.

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## 5. FIRE-FIGHTING MEASURES

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire

**HAZCHEM Code:**

**Extinguishing media:**

Carbon dioxide, dry chemical, foam, water, fog.

**Hazardous thermal (de)composition products:**

If involved in a fire, it will emit oxides of carbon, oxides of nitrogen and possibly traces of hydrogen chloride.

**Protection of fire-fighters:**

When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered. Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

As a minimum, wear overalls, goggles and gloves

**Environmental precautions:**

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Use earthen bunds or absorbent bunding to prevent spreading of spillage. Prevent from entering drains, waterways or sewers.

**Methods for cleaning up:**

Collect spilled material and waste in sealable open-top type containers for disposal. On-site disposal of concentrate is not acceptable.

**Clean-up Methods - Large Spillages**

If large liquid spills occur, attempt to recover as much spilt material from sumps and bunded areas before absorbing remaining material into vermiculite or other absorbent.

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## 7. HANDLING AND STORAGE

**Handling:**

Spray 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.  
Avoid skin and eye contact and breathing in mists.

**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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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Ventilation specification:** Handle in well ventilated areas, generally natural ventilation is adequate.

### Personal Protective Equipment

It is good practice to wear suitable personal protective equipment (PPE).  
When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

### **General hygiene:**

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Clear red liquid

**pH:** 6-8 (1% aqueous solution)

**Vapour Pressure:**

**Vapour Density:**

**Boiling Point:**

**Freezing point:** <0°

**Solubility:** Miscible in water.

**Specific gravity or density:** 1.0 approx. @20°C

**Flashpoint** > 96(°C)

**Stability:**

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.

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## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

<b>Acute toxicity – Oral :</b>	LD50 (rat) 400 - 2000 mg/kg for Rhodamine B
<b>Acute toxicity - Dermal :</b>	
<b>Acute toxicity – Inhalation:</b>	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
<b>Skin irritation :</b>	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.
<b>Eye irritation:</b>	Prolonged contact with the concentrate may cause damage to the eye.
<b>Carcinogenicity:</b>	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 4A: Minimal Risk Ingredients. Minimal Risk (List 4A) substances are recognised as safe for use in all pesticide products subject only to good agricultural practices or good manufacturing practices.
<b>Ingestion:</b>	Possible symptoms of exposure include: nausea, vomiting and central nervous system depression.

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Avoid contaminating waterways.
<b>Fish</b>	LC50 (96 hr) for fish is 10 - 100 mg/l for Rhodamine B

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## 13. DISPOSAL CONSIDERATIONS

<b>Methods of disposal :</b>	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
<b>Container Disposal</b>	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

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## 14. TRANSPORT INFORMATION

### International transport regulations

**International transport regulations:** Not a Dangerous Good.  
It is good practice to separate this product from food, food related materials, feedstuffs, seed or fertilisers during transport.

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## 15. REGULATORY INFORMATION

**ACVM Registered Number:**  
**HSNO Approval Code:** HSR002508

**Hazard Category:** Harmful, Irritant  
**Risk Phrase(s)** R41: Risk of serious damage to eyes.  
R22: Harmful if swallowed

**Safety Phrase(s):** S13 Keep away from food, drink and animal feeding stuffs  
S2 Keep out of reach of children.  
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.

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## 16. OTHER INFORMATION

**Additional information:**

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