

Rygel Biodye Red Liquid Marking Dye

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Rygel Australia Pty Ltd
ACN: 106 839 007
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Emergency telephone number: National Poisons Information Centre: Dial 13 11 26.

Product name: Rygel Biodye Red Liquid Marking Dye
UN No.: None allocated
Hazchem Code: None allocated
Dangerous Goods Class: None allocated
Sub Risk Class: None allocated
Packaging Group: None allocated
Poison Schedule: None allocated
Product Use: A tank mix Red dye additive to assist in identification of areas sprayed with pesticide and to suppress aquatic weeds and algae when applied to ponds and lakes.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Conc.
sulfonated anionic dyestuff		90g/L
sodium sulphate	7757-82-6	<2%
propylene glycol	108-65-6	<2%
sodium benzoate	532-32-1	trace
water	7732-18-5	balance

This is a commercial product whose exact ratio of components may vary.

3. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to health criteria of NOHSC Australia.

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

4. FIRST AID MEASURES

Skin Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use.
Eyes Immediately irrigate with copious quantities of water for at least 15 minutes. In all cases of eye contamination it is advisable to seek immediate medical advice.
Inhalation Remove victim from exposure.
Ingestion Wash out mouth with water immediately and drink plenty of water. Seek medical assistance.
Advice To Doctor Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water fog, dry chemical, foam, carbon dioxide, BFC.

Hazards from combustion products

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Not flammable. In large fires the dehydrated product may burn and produce oxides of sulphur, oxides of nitrogen, smoke and fumes.

Precautions for Firefighters and Special Protective Equipment

Firefighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Wash area down thoroughly with water or cover with absorbent (soil, sand, vermiculite). Collect and seal in properly labelled drums for disposal. Wash area down effected area with excess water. If contamination of sewers or waterways has occurred advise the local emergency services.

7. HANDLING AND STORAGE

Precautions for Safe Storage

Store in closed original container in a well ventilated place, as cool as possible. Do not store for prolonged periods in direct sunlight. Triple rinse containers before disposal and add rinsings to tank.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

Engineering controls

Natural ventilation only is required.

Personal protection

Personal protection equipment: Wear overalls, goggles and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour:	dark Red coloured liquid
Solubility:	soluble in water
Specific Gravity (15 C):	1.1 approx.
Flashpoint:	n/a
pH (1% aq):	4 approx.
Decomposition temperature:	>200°C

10. STABILITY AND REACTIVITY

Avoid strong oxidising and reducing agents.

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:

Acute Effects

Ingestion: No information available

Eye contact: Non irritant

Skin contact: Non irritant.

Inhalation: No significant vapour pressure, therefore considered non irritant.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity

No LD50 data available for product. Based on knowledge of related constituents:

Acute oral LD50 (rat) >25,000 mg/kg

MATERIAL SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Readily biodegradable. Do not contaminate streams, rivers or waterways with the chemical or used container.

LC50 (rainbow trout, 24hr) 800 - 1,600 mg/L

13. DISPOSAL CONSIDERATIONS

Triple or, preferably, pressure rinse containers before disposal. If recycling, replace cap and return containers to recycler or designated collection point. If not recycling, break, crush, puncture and bury empty containers in local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and setup for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Based on available information, not classified as hazardous according to health criteria of NOHSC Australia.

16. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. **Rygel Australia Pty Ltd** will not be responsible for any damages that may result from reliance on the information contained herein.

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National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia).