

MATERIAL SAFETY DATA SHEET**Agricrop Big Red Spray Marker Dye****1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY**

Product Name: Agricrop Big Red Spray Marker Dye
Distributor: Agricrop Pty Ltd
ABN: 84 100 473 309
Street Address: 255 Port Road
Hindmarsh, SA 5007
Telephone: 07 3348 4113
Facsimile: 07 3348 2702
Emergency Telephone Number: 1800 033 111 (all Hours)

Product Use: Red marking dye and foam marker colouring agent used in agricultural applications
Product Type: Liquid

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical entity	CAS No	Content
Dimethylene glycol	111-46-6	n/a
Rhodamine	81-88-9	15%

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

3. HAZARDS IDENTIFICATION**CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA****RISK PHRASES**

R40/22 Harmful: possible risk of irreversible effects if swallowed.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**4. FIRST AID MEASURES**

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the PIC or a doctor, or for at least 15 minutes.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the PIC or a doctor.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).

Advice to Doctor Treat symptomatically.

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5. FIRE-FIGHTING MEASURES

Fire & Explosion	Non flammable. Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Non- flammable. In case of fire suitable extinguishing media: carbon dioxide, dry chemical, foam or water fog.
Flammability	Non-Flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.
Hazchem Code	None allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage	If spilt, collect and reuse where possible. Wear splash-proof goggles, PVC/rubber gloves, coveralls or protective clothing and boots. Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. Prevent spill entering drains or waterways. Absorb with moist sand or similar and place in sealable containers for disposal.
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7. HANDLING AND STORAGE

Storage	Store in cool, dry, well ventilated area, removed from direct sunlight and out of the reach of children, oxidising agents, alkalis, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds	Ingredient	Reference	TWA ppm mg/m3	STEL ppm mg/m3
Biological Limits	2,2'0oxybis[ethanol]	NOHSC (AUS)	23 100	-- --
Engineering Controls	No biological limit allocated.			
Personal Protection Equipment	Use with adequate natural ventilation. Open windows and doors where possible. In poorly ventilated areas, mechanical extraction ventilation is recommended.			
	Wear splash-proof goggles, rubber or PVC gloves and coveralls. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator. If spraying, wear a Type A-Class P1 (Organic gases/vapours and Particulate) Respirator.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous Red Cloured Liquid		
Solubility (Water)	Soluble		
Odour	Slight Odour	Specific Gravity	1.08
Ph	Not Available	% Volatiles	Not Available
Pressure	1 Mm @ 92°C	Flammability	Non Flammable
Vapour Density	Not Available	Flash Point	Not Relevant
Boiling Point	> 240°C	Upper Explosion Limit	Not Relevant
Melting Point	< 0°C	Lower Explosion Limit	Not Relevant
Evaporation Rate	Not Available	Auto-ignition Temperature	Not Available

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10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to Avoid	Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.
Decomposition	May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.
Hazardous Reactions	Hazardous polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Moderate toxicity - irritant. Use safe work practices to avoid eye or skin contact or vapour inhalation. Due to the low vapour pressure of this product an inhalation hazard is not anticipated unless heated or sprayed. Over exposure glycols may result in liver and kidney damage.
Eye	Irritant. Contact may result in irritation
Inhalation	Low to moderate toxicity - low irritant. Due to the low vapour pressure of glycol ethers, an inhalation hazard is only anticipated when heated or sprayed. Exposure at high levels may result in headache and nausea. Chronic over exposure to glycols may result in liver and kidney damage.
Skin	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. May be absorbed through skin with toxic effects.
Ingestion	Moderate toxicity. Ingestion may result in CNS depression with symptoms resembling drunkenness, gastrointestinal effects, nausea, vomiting. Chronic exposure or large doses may result in circulatory and respiratory collapse, liver and kidney damage, unconsciousness and convulsions.
Toxicity Data	DIETHYLENE GLYCOL (111-46-6) LC50 (Inhalation): 8000 ppm/4 hours (rat) LD50 (Ingestion): 790 mg/kg (rat) LD50 (Skin): 3200 mg/kg (mouse) RHODAMINE (81-88-9) LD50 (Ingestion): 3680 mg/kg (mouse)

12. ECOLOGICAL INFORMATION

Environment	Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
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13. DISPOSAL CONSIDERATIONS

Waste Disposal	For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.
Legislation	Dispose of in accordance with relevant local legislation.

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14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name	None allocated	Hazchem Code:	None allocated
UN No:	None allocated	Sub Risk Class:	None allocated
Dangerous Goods Class:	None allocated	Packaging Group:	None allocated
SUSDP:	None allocated		
EPG:	None allocated		

15. REGULATORY INFORMATION

Poison Schedule Classified as a Schedule 6 (S6) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

All due care and skill, so far as practicable, has been applied in the preparation and collation of the information in this MSDS. Each user of the Product named in this MSDS should read and consider the information contained in this MSDS in the context of how the Product will be stored, handled, used or applied in the workplace. In all circumstances, it is the responsibility of the user of the Product to ensure that they have sought out the relevant safety data appropriate to their particular situation. Nothing contained in this MSDS shall be construed as a representation or recommendation to the user about the suitability or otherwise of the Product named in this MSDS for the user's particular situation. If the user requires any clarification or further information, the user should contact Agricrop.

**CONTACT POINT: Agricrop Pty Ltd
255 Port Road, Hindmarsh, SA 5007**

Telephone: 07 3348 4113 - Facsimile: 07 3348 2702

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

Please read all labels carefully before using product.