

SAFETY DATA SHEET

RHODAMARK



1. SUBSTANCE IDENTIFICATION

PRODUCT NAME	RHODAMARK
SUPPLIER NAME	Alphakem Global Pty Ltd
ABN	86 621 159 608
SUPPLIER ADDRESS	PO Box 1354, Sunshine West, VIC 3020
SUPPLIER CONTACT DETAILS	+61 3 9314 7256 www.alphakem.com.au
EMERGENCY PHONE	
POISON INFORMATION	13 11 26 (24 hours)
CHEMICAL EMERGENCY	1800 127 406
USE	Liquid marking dye and foam marker colouring agent

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to GHS criteria

GHS CLASSIFICATIONS	Acute oral toxicity Category 4 Eye irritation Category 2 Specific target organ toxicity repeated exposure Category 2 Hazardous to the aquatic environment chronic Category 4
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	Harmful if swallowed. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. May cause long lasting harmful effects to aquatic life.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P260 Do not breathe mist/vapours/spray. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 Get medical advice/attention if you feel unwell. P330 Rinse mouth. P337 + P313 If eye irritation persists: Get medical advice/attention. P363 Wash contaminated clothing before reuse.

SAFETY DATA SHEET

RHODAMARK



2. HAZARDS IDENTIFICATION

STORAGE STATEMENTS	See Section 7.
DISPOSAL STATEMENTS	P501 Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/v
Rhodamine B	81-88-9	<15% (150g/L)
Diethylene glycol	111-46-6	60 – 65%
Ethylene diglycol	111-90-0	10 – 15%
Non-hazardous ingredients	Proprietary	Balance to volume

4. FIRST AID MEASURES

For advice call the Poison Information Centre (ph 13 11 26) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation occurs, get medical attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs, get medical advice/ attention.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the Poison Information Centre or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Use extinguishing media suitable for surrounding environment. Avoid using large volumes of water which would spread the product. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compounds
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.

SAFETY DATA SHEET

RHODAMARK



6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. See Section 13 for details on disposal.
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7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING	Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas. RHODAMARK will strongly stain skin and clothing. If skin has been exposed to 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.
STORAGE	Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	Diethylene glycol: TWA 23ppm / 100 mg/m ³
EYE PROTECTION	Wear eye/face protection.
RESPIRATORY PROTECTION	Respiratory protection is not required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.
ADDITIONAL PROTECTION	Consult the companion herbicide label for instructions on additional protection required.
ENGINEERING CONTROLS	No special ventilation is required.
HYGIENE PRECAUTIONS	Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ ODOUR	Deep red liquid.
BOILING POINT	Not Available.
DENSITY	1.11 g/ml @ 25°C (typical)
DECOMPOSITION TEMPERATURE	Not Available.
FLASHPOINT	>96°C
EXPLOSION PROPERTIES	Not Applicable.
SOLUBILITY	Soluble in water.
pH (1% solution)	3.0 – 3.5
SETTING POINT	Not Applicable.

SAFETY DATA SHEET

RHODAMARK



9. PHYSICAL AND CHEMICAL PROPERTIES

AUTOIGNITION TEMP	Not Applicable.
VAPOUR DENSITY	Not Available.
VAPOUR PRESSURE	Not Available.
VISCOSITY	Not Available.
OCTANOL / WATER PARTITION COEFFICIENT	know Log P is 1.95 for Rhodamine B

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions.
CONDITIONS TO AVOID	Avoid contact with aluminium, aluminium alloys, copper rich alloys and neoprene.
MATERIALS TO AVOID	Violent reactions between product and oxidising agents are possible.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product
ORAL TOXICITY	Rhodamine B LD50 (rat) 174mg/kg
DERMAL TOXICITY	No information.
INHALATION TOXICITY	No information.
EYE CORROSION / IRRITANCY	Causes serious eye irritation.
SKIN CORROSION / IRRITANCY	No information.
CHRONIC EFFECTS	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	May cause damage to organs through prolonged or repeated exposure.
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	May cause long lasting harmful effects to the aquatic environment.
PRECAUTIONS	This product is a strong dye it must not be intentionally applied directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application. Avoid contamination of any waterways with product or empty container.
ECOTOXICITY INFORMATION	No information.
BIOACCUMMULATIVE	No information.

SAFETY DATA SHEET

RHODAMARK



12. ECOLOGICAL INFORMATION

READILY DEGRADABLE	No.
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13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.	
PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, contact your supplier or chemical recycling facility. Consult your local authority for disposal.
CONTAINER DISPOSAL	Triple rinse container and add residue to spray tank. Do NOT burn. Do not use the container for any other purpose. Dispose at an approved landfill.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN CODE OR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

15. REGULATORY INFORMATION

APVMA REGISTRATION	Exempt from registration.
POISON SCHEDULE	Not Scheduled
INVENTORY	Australian Inventory of Chemical Substances.
STATUS	Components Listed

16. OTHER INFORMATION

SDS ISSUE DATE	18 September 2024
SDS REVIEW DATE	September 2027
REFERENCES	Supplier SDS. NZ Chemical Classification and Information Database. Safe Work Australia – Workplace Exposure Standards. Australian Pesticides and Veterinary Medicines Authority.
ABBREVIATIONS	

SAFETY DATA SHEET

RHODAMARK



16. OTHER INFORMATION

APVMA	Australian Pesticides and Veterinary Medicines Authority
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products properties.

End of Safety Data Sheet