



Safety Data Sheet Rhodamine B

SECTION 1: Identification

GHS Product identifier

Product name	Rhodamine B
Product number	RHOD-25G
Brand	Hurstchem

Other means of identification

Brilliant Pink B, Basic Violet 10.

Recommended use of the chemical and restrictions on use

Laboratory Reagent

Supplier's details

Name	Hurst Scientific
Address	2/36 Hensbrook Loop 6112 Forrestdale WA Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

Emergency phone number

Australian Poisons Information Centre 131 126
Australian Emergency Services 000

SECTION 2: Hazard identification

General hazard statement

Classified as a **Hazardous** substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as a **NON-Dangerous goods** according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

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Not a hazardous substance or mixture.

GHS label elements, including precautionary statements.

Not a hazardous substance or mixture.

Other hazards which do not result in classification.

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

1. C.I. Food Red 15

Concentration	100 %
CAS no.	81-88-9

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Evacuate to fresh air immediately. If breathing stops, apply artificial respiration and consult a physician.
In case of skin contact	Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops or persists, seek medical attention.
In case of eye contact	Flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.
If swallowed	DO NOT induce vomiting. Rinse mouth out with copious amounts of water and seek immediate medical attention.

Personal protective equipment for first-aid responders

Eye wash station, safety shower and First Aid kit.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Carbon Dioxide, dry chemical, water spray or foam.

Specific hazards arising from the chemical.

Toxic gases may evolve.

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Special protective actions for fire-fighters

Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

Hazchem code: None allocated.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment. Ensure adequate ventilation. If possible, contain the spill and avoid breathing dust.

Methods and materials for containment and cleaning up.

Sweep up and place into suitably labelled containers for later disposal. Dispose of according to local regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Wear appropriate protective equipment and avoid exposure. Ensure area is adequately ventilated and practice good personal hygiene. Avoid contact with skin and eyes. Avoid dust generation and prolonged or repeated exposure.

Conditions for safe storage, including any incompatibilities.

Store in a cool, dry, well-ventilated area away from incompatibles. Keep containers tightly closed when not in use.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ensure adequate ventilation is provided.

Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirators when necessary.

Eye/face protection

Safety glasses or chemical safety goggles.

Skin protection

Chemical-resistant nitrile gloves and laboratory coat.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Appearance	Crystals or Powder
Colour	Green-violet
Odor	Strong
Melting point/freezing point	Approx. 210-211°C
Boiling point or initial boiling point and boiling range	Not available
Flammability	Combustible
Lower and upper explosion limit/flammability limit	Not applicable
pH	Not available

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Solubility	Soluble (34 g/l @ 20 °C)
Vapor pressure	Not available
Density and/or relative density	Not available

SECTION 10: Stability and reactivity

Reactivity

Non-reactive under recommended conditions for use and storage.

Chemical stability

Stable under recommended conditions for use and storage.

Possibility of hazardous reactions

Polymerisation not expected to occur.

Conditions to avoid.

Incompatibles.

Incompatible materials

Strong oxidisers, reducing agents and nitro sing agents.

Hazardous decomposition products

Toxic gases may evolve – Oxides of Nitrogen, Ammonia and Hydrogen Chloride gas.

SECTION 11: Toxicological information

Information on toxicological effects

HEALTH EFFECTS:

Acute

Eye contact

May cause blurred vision, redness, pain, and lacrimation. Risk of serious eye damage.

Skin contact

Can cause irritation, redness, and pain. May be absorbed through the skin, can be harmful.

Inhalation

Can be irritating to the mucous membranes and upper respiratory tract. Resulting in coughing, wheezing, shortness of breath, nausea, and vomiting.

Ingestion

May cause irritation to the gastrointestinal tract resulting in nausea, vomiting and diarrhoea.

Chronic:

Repeated exposure may cause allergic reactions. Overexposure may cause liver and thyroid damage.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

Risk of serious damage to eyes.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

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No data available.

Carcinogenicity

Classified as Group 3 Carcinogen according to the IARC - Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

No data available.

Aspiration hazard

No data available.

Additional information

TOXICITY DATA: LD50: Oral, mouse: 887 mg/kg;

LDLO: Oral rat 500mg/kg

SECTION 12: Ecological information

Toxicity

Harmful to aquatic environments, may cause long-term adverse effects.

LC50-sheepshead minnow -83.9 mg/l-96h

LC50-Bluegill-379mg/l-96h,

LC50-rainbow trout-217mg/l-96h,

EC50-Water flea-22.9mg/l-48h

Persistence and degradability

0% not rapidly biodegradable.

Bioaccumulate potential

Not available for this product.

Mobility in soil

Not available for this product.

Other adverse effects

Environmental fate (exposure) Do not contaminate drains and waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of in accordance with local authority guidelines.

Packaging disposal

Dispose of in accordance with local authority guidelines.

Special precautions Nil.

SECTION 14: Transport information

UN Number

None

UN Proper Shipping Name

None

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Transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Transport in bulk according to IMO instruments	None

SECTION 15: Regulatory information

Chemical Safety Assessment

- Poison Schedule: Not Scheduled.

SECTION 16: Other information

Further information/disclaimer

References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Can print: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

Preparation information

Disclaimer

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

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