



## Section 1: Identification

Product Name: Rhodamine B

Chemical Formula: C<sub>28</sub>H<sub>31</sub>ClN<sub>2</sub>O<sub>3</sub>

CAS Number: 81-88-9

Synonyms: Basic Violet 10, C.I. 45170

### 1.2. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

HD Chemicals LTD

UNIT 9 Scott Business Park

PL2 2PB Plymouth UK

Contact Person responsible for SDS: Mr Peter Konefal, e-mail: [contact@hdchemicals.co.uk](mailto:contact@hdchemicals.co.uk)

## Section 2: Hazard Identification

Classification:

- Eye Irritation: Category 2B
- Skin Irritation: Category 2
- Environmental Hazard: Category 3

GHS Labeling:

Signal Word: Warning

Hazard Statements:

- Causes eye irritation.
- Causes skin irritation.
- Harmful to aquatic life.



### Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration
Rhodamine B	81-88-9	>95%

### Section 4: First Aid Measures

#### Inhalation:

- Move the person to fresh air. If breathing difficulties persist, seek medical attention.

#### Skin Contact:

- Remove contaminated clothing and wash affected areas with soap and water. If irritation occurs, seek medical attention.

#### Eye Contact:

- Rinse eyes gently with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.

#### Ingestion:

- Do not induce vomiting. Rinse mouth with water. Seek immediate medical attention.



## **Section 5: Fire-Fighting Measures**

### Extinguishing Media:

- Use carbon dioxide, dry chemical powder, or foam for extinguishing fires involving this product.

### Fire and Explosion Hazards:

- Rhodamine B is not flammable, but it may emit toxic fumes when heated.

## **Section 6: Accidental Release Measures**

### Personal Precautions:

- Wear appropriate protective equipment (gloves, goggles, and a lab coat) during cleanup.

### Environmental Precautions:

- Prevent the dye from entering waterways or sewer systems. Contain the spill with sand, earth, or other suitable absorbent material.

## **Section 7: Handling and Storage**

### Handling:

- Use in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

### Storage:

- Store in a cool, dry place away from direct sunlight. Keep containers tightly closed.

## **Section 8: Exposure Controls/Personal Protection**

### Engineering Measures:

- Ensure adequate ventilation in the working area.



Personal Protective Equipment:

- Eye Protection: Wear safety goggles or a face shield.
- Skin Protection: Use gloves and protective clothing as necessary.
- Respiratory Protection: Use appropriate respiratory protection if ventilation is inadequate.

## **Section 9: Physical and Chemical Properties**

Appearance: Red powder

Melting Point: 290-300 °C

Solubility: Soluble in water, ethanol

## **Section 10: Stability and Reactivity**

Stability:

- Stable under normal conditions of use and storage.

Reactivity:

- Avoid contact with strong acids and oxidizing agents.

## **Section 11: Toxicological Information**

Acute Toxicity:

- Oral LD50: >2,000 mg/kg (rat)
- Dermal LD50: >2,000 mg/kg (rabbit)
- Inhalation LC50: >5 mg/L (rat)

Skin and Eye Irritation:



- Rhodamine B can cause skin and eye irritation.

## **Section 12: Ecological Information**

Ecotoxicity:

- Toxic to aquatic life with long-lasting effects.

## **Section 13: Disposal Considerations**

Dispose of this product and its container in accordance with local, regional, and national regulations.

## **Section 14: Transport Information**

Not regulated for transport.

## **Section 15: Regulatory Information**

This product is subject to specific