

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 1

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

### 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

*Product Name:* Rhodamine B

*Article No.:* 94900

*UFI:*

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

*Reagent for analysis*

*In vitro diagnostic*

*Uses advised against:*

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.com

*EMail:* info@kremer-pigmente.com

*Importer:* --

1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

### 2. Hazards Identification

2.1. Classification of the Substance or Mixture

*Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)*

*Acute toxicity (oral), hazard category 4*

*Serious eye damage, hazard category 1*

*Hazardous to the aquatic environment, hazard category 2*

H302 Harmful if swallowed.

Cat.: 4

H318 Causes serious eye damage.

Cat.: 1

H412 Harmful to aquatic life with long lasting effects.

Cat.: 3

*Possible Environmental Effects:*

*See Section 12.*

2.2. Label Elements

*Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)*

*Hazard designation:*

next page: 2

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 2

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026



GHS05-2



GHS07

Signal word:

Danger

Hazard designation:

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Safety designation:

P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P310	Immediately call a poison center or physician.

Hazardous components for labelling:

2. 3. Other Hazards

### 3. Composition/Information on Ingredients

3. 1. Substance

*This product is a substance: see details under 3.2.*

3. 2. Mixture

*Chemical Characterization: Brilliant pink B, Rosaceine B, Safraniline. C.I. 45170, Schulz No. 864*

*Information on Components / Hazardous Ingredients:*

Rhodamine B (H302-318-412)	100 %	CAS-Nr: 81-88-9 EINECS-Nr: 201-383-9 EC-Nr:
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*Additional information:*

### 4. First Aid Measures

4. 1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*After inhalation:*

*Supply fresh air.*

*After skin contact:*

*Remove contaminated clothing. Wash off immediately with plenty of water and soap.*

next page: 3

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 3

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.  
Consult a physician immediately.*

*After ingestion:*

*Immediately give water to drink (at the most 2 glasses).  
Consult a doctor.*

4. 2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*No further information available.*

*Effects:*

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

5. 1. Extinguishing Media

*Suitable extinguishing media:*

*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

*None known.*

5. 2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*Formation of hazardous combustion gases or vapors possible in the event of fire.*

5. 3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.  
Wear suitable protective clothing.*

*Further information:*

*Suppress escaping gases/fumes/mist with a water spray jet.  
Avoid contamination of sewage system, open water ways and ground water.*

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## 6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Ensure adequate ventilation.  
Wear protective clothing.  
Avoid contact with skin, eyes and clothing.  
Do not inhale dust. Avoid formation of dust.*

6. 2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

next page: 4

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 4

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

### 6.3. Methods and Material for Containment and Cleaning Up

#### *Methods and material:*

*Take up mechanically and collect in suitable container for disposal. Rinse spill area. Avoid dust formation.*

### 6.4. Reference to other Sections

*For information for safe handling see Section 7.*

*Protective clothing, see Section 8.*

*See Section 13 for information on disposal.*

## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

#### *Instructions on safe handling:*

*Avoid contact with eyes, skin and clothing.*

*Avoid formation of dust.*

*Provide adequate ventilation.*

#### *Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

#### *Storage conditions:*

*Store in tightly sealed containers in a dry room.*

#### *Requirements for storage areas and containers:*

*Keep container tightly closed.*

#### *Information on fire and explosion protection:*

*No special measures necessary.*

#### *Storage class:*

*11; Combustible solids (TRGS 510)*

#### *Further Information:*

### 7.3. Specific End Use(s)

#### *Further information:*

*Use as laboratory reagent.*

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

#### *Parameters to be controlled (DE):*

*none known*

#### *Parameters to be controlled:*

#### *Derived No-Effect Level (DNEL):*

#### *PNEC (Predicted No-Effect Concentration):*

#### *Additional Information:*

next page: 5

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 5

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

### 8.2. Exposure Controls

#### *Technical protective measures:*

*Technical protective measures have priority to personal protective measures.*

*Provide adequate ventilation in case of dust formation.*

#### *Personal Protection*

#### *General protective measures:*

*Remove contaminated clothing immediately.*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

#### *Respiratory protection:*

*In case of formation of dust.*

*Recommended: filter P2 (EN 143)*

#### *Hand protection:*

*Protective gloves (EN 374)*

#### *Protective glove material:*

*The glove material must be sufficiently impermeable and resistant against the product.*

#### *Eye protection:*

*Tightly fitting safety goggles (EN 166).*

#### *Body protection:*

*Protective clothing.*

#### *Environmental precautions:*

*Do not allow entering sewerage system.*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form:* solid

*Color:* green

*Odor:* odorless

*Odor threshold:*  
no information available

*pH-Value:* 3 - 4 (10 g/l H<sub>2</sub>O; 20°C)

*Melting temperature:* 199°C

*Boiling temperature:*  
not available

*Flash point:*  
not available

*Evaporation rate:*  
No information available.

next page: 6

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 6

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

---

*Flammability (solid, gas):*

*not available*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*1.31 g/cm<sup>3</sup> (20°C)*

*Solubility in water:*

*15 g/l (20°C)*

*Coefficient of variation (n-Octanol/Water):*

*1.95 logPOW*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*> 245°C*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*Product does not present an explosion hazard.*

*Oxidizing properties:*

*not oxidizing*

*Bulk density:*

*250 kg/m<sup>3</sup>*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

next page: 7

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 7

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

---

*Unknown.*

10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid formation of dust.*

*Thermal decomposition:*

*see section 9*

10.5. Incompatible Materials

*Strong oxidizing agents.*

10.6. Hazardous Decomposition Products

*None known.*

10.7. Further Information

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### 11. Toxicological Information

11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

*Acute Toxicity*

*LD50, oral:*

*887 mg/kg (rat)*

*LD50, dermal:*

*not determined*

*LC50, inhalation:*

*not determined*

*Primary effects*

*Irritant effect on skin:*

*No information available*

*Irritant effect on eyes:*

*Causes severe eye damage.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No mutagenic effects known.*

*Reproductive toxicity:*

*No information available.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

next page: 8

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 8

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

---

### *Specific target organ toxicity (STOT):*

*No relevant data found.*

### *Aspiration hazard:*

*No information available.*

### 11. 2. Information on other Hazards

*No further information available.*

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## 12. Ecological Information

### 12. 1. Aquatic Toxicity

*Harmful to aquatic organisms.*

*May cause long-term adverse effects in the aquatic environment.*

#### *Fish toxicity:*

*LC50: 10 - 100 mg/l (96h, Gambusia affinis)*

#### *Daphnia toxicity:*

*No information available.*

#### *Bacteria toxicity:*

*No data available.*

#### *Algae toxicity:*

*No information available.*

### 12. 2. Persistency and Degradability

*No information available.*

### 12. 3. Bioaccumulation

*No bioaccumulation expected (log POW: 1-3).*

*BCF (Rhodamine B): < 0.02 (Cyprinus carpio; 24d)*

### 12. 4. Mobility

*No data available.*

### 12. 5. Results of PBT- und vPvP Assessment

*This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).*

### 12. 6. Endocrine Disrupting Properties

*This product does not contain components considered to have endocrine disrupting properties.*

### 12. 7. Other Adverse Effects

#### *Water hazard class:*

*2 (German Regulation) (Assessment by list): hazardous.*

#### *Behaviour in sewage systems:*

#### *Further ecological effects:*

*Do not let product enter waterways or sewage system.*

#### *AOX Value:*

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## 13. Disposal Considerations

### 13. 1. Waste Treatment Methods

next page: 9

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 9

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

---

*Product:*

*Dispose of according to official national and local regulations.*

*Do not let product enter water systems.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Contaminated packaging must be disposed like the substance.*

*Non-contaminated packaging may be recycled.*

*Waste Code No.:*

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### 14. Transport Information

14. 1. UN Number

*ADR, IMDG, IATA*

14. 2. UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR / DOT (US) (land transportation).*

*IMDG/IATA:*

*Not hazardous goods*

14. 3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

14. 4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

14. 5. Environmental Hazards

*no*

14. 6. Special Precautions for User

next page: 10

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 94900 Rhodamine B

Page 10

Revised edition: 04.03.2024

Version: 4

Printed: 28.04.2026

---

*not applicable*

14. 7. Maritime Transport in Bulk according to IMO Instruments

*not applicable*

14. 8. Further Information

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### 15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*2, hazardous for water (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

*Seveso III Directive: not applicable under Directive 2012/18/EC.*

*Employment restrictions:*

*The employment restrictions for young workers in accordance with the Youth Employment Protection Law (§ 22 JArbSchG) are to be observed.*

*The employment restrictions for expectant and nursing mothers are to be observed (§§11 and 12 MuSchRiV).*

*Restriction and prohibition of application:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 75*

*Technical instructions on air quality:*

15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

15. 3. Further Information

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### 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*