

# Safety Data Sheet

Eosin Y, 1%

**CAROLINA**<sup>®</sup>  
www.carolina.com

## Section 1 Product Description

**Product Name:** Eosin Y, 1%  
**Recommended Use:** Science education applications  
**Synonyms:** Acid Red 87 Bromofluorescein Bronze Bromo ES Bromo acid J. TS, XL, or XX Eosin yellowish  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

## Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**WARNING**



Causes serious eye irritation.

**GHS Classification:**  
Serious Eye Damage/Eye Irritation Category 2A

## Section 3 Composition / Information on Ingredients

| <u>Chemical Name</u> | <u>CAS #</u> | <u>%</u> |
|----------------------|--------------|----------|
| Water                | 7732-18-5    | 99       |
| Eosin Y, Yellowish   | 17372-87-1   | 1        |

## Section 4 First Aid Measures

### Emergency and First Aid Procedures

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Skin Contact:** After contact with skin, wash immediately with plenty of water.  
**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## Section 5 Firefighting Procedures

**Extinguishing Media:** Use dry chemical, CO2 or appropriate foam.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** N/A  
**Hazardous Combustion Products:** Sodium Oxides, Carbon oxides, Hydrogen Bromide

## Section 6 Spill or Leak Procedures

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## Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Ventilate the contaminated area. Isolate area. Keep unnecessary personnel away. Remove soiled clothing and launder before reuse. Absorb the liquid and scrub the area with detergent and water. Pick up wash liquid with additional absorbent and place in a disposable container. Contain the discharged material.

## Section 7 Handling and Storage

**Handling:** Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed in a cool, well-ventilated place. Avoid contact with skin and eyes. Avoid contact with clothing. After contact with skin, wash immediately with plenty of water. Do not breathe dust. Harmful if swallowed.

**Storage:** Keep container tightly closed in a cool, well-ventilated place.

**Storage Code:** Green - general chemical storage

## Section 8 Protection Information

| Chemical Name     | ACGIH |        | OSHA PEL |        |
|-------------------|-------|--------|----------|--------|
|                   | (TWA) | (STEL) | (TWA)    | (STEL) |
| No data available | N/A   | N/A    | N/A      | N/A    |

### Control Parameters

**Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.

**Respiratory Protection:** No respiratory protection required under normal conditions of use.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Natural rubber, Neoprene, PVC or equivalent.

## Section 9 Physical Data

|   |   |
|---|---|
| <b>Formula:</b> C <sub>20</sub> H <sub>6</sub> O <sub>5</sub> Br <sub>4</sub> Na <sub>2</sub> | <b>Vapor Pressure:</b> N/A                          |
| <b>Molecular Weight:</b> 691.6  | <b>Evaporation Rate (BuAc=1):</b> N/A               |
| <b>Appearance:</b> Red to Yellow Liquid   | <b>Vapor Density (Air=1):</b> N/A                   |
| <b>Odor:</b> No data available  | <b>Specific Gravity:</b> N/A                        |
| <b>Odor Threshold:</b> No data available  | <b>Solubility in Water:</b> Soluble                 |
| <b>pH:</b> No data available  | <b>Log Pow (calculated):</b> No data available      |
| <b>Melting Point:</b> 0 C   | <b>Autoignition Temperature:</b> No data available  |
| <b>Boiling Point:</b> 100 C   | <b>Decomposition Temperature:</b> No data available |
| <b>Flash Point:</b> No data available   | <b>Viscosity:</b> 10                                |
| <b>Flammable Limits in Air:</b> N/A   | <b>Percent Volatile by Volume:</b> N/A              |

## Section 10 Reactivity Data

**Reactivity:** No data available

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Water-reactive materials, Strong oxidizing agents

**Hazardous Decomposition Products:** Hydrogen Bromide, Carbon oxides, Sodium Oxides

**Hazardous Polymerization:** Will not occur

## Section 11 Toxicity Data

**Routes of Entry:** Inhalation, ingestion, eye or skin contact.

**Symptoms (Acute):** N/A

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**Delayed Effects:** No data available

**Acute Toxicity:**

| Chemical Name      | CAS Number | Oral LD50                    | Dermal LD50 | Inhalation LC50 |
|--------------------|------------|------------------------------|-------------|-----------------|
| Water              | 7732-18-5  | Oral LD50 Rat<br>90000 mg/kg |             |                 |
| Eosin Y, Yellowish | 17372-87-1 |                              |             |                 |

**Carcinogenicity:**

| Chemical Name     | CAS Number | IARC       | NTP        | OSHA       |
|-------------------|------------|------------|------------|------------|
| No data available |            | Not listed | Not listed | Not listed |

**Chronic Effects:**

**Mutagenicity:** No evidence of a mutagenic effect.  
**Teratogenicity:** No evidence of a teratogenic effect (birth defect).  
**Sensitization:** No evidence of a sensitization effect.  
**Reproductive:** No evidence of negative reproductive effects.  
**Target Organ Effects:**  
**Acute:** See Section 2  
**Chronic:** Not listed as a carcinogen by IARC, NTP or OSHA.

## Section 12 Ecological Data

**Overview:** This material is not expected to be harmful to the ecology.  
**Mobility:** No data  
**Persistence:** No data  
**Bioaccumulation:** No data  
**Degradability:** No data  
**Other Adverse Effects:** No data

| Chemical Name | CAS Number | Eco Toxicity      |
|---------------|------------|-------------------|
| Water         | 7732-18-5  | No data available |

## Section 13 Disposal Information

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.  
**Waste Disposal Code(s):** Not Determined

## Section 14 Transport Information

| Ground - DOT Proper Shipping Name: | Air - IATA Proper Shipping Name:         |
|------------------------------------|--|
| N/A                                | Not regulated for air transport by IATA. |

## Section 15 Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

| Chemical Name     | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|-------------------|------------|------------|----------|-----------|-----------|---------------|
| No data available |            | No         | No       | No        | No        | No            |

## Section 16 Additional Information

**Revised:** 09/03/2014      **Replaces:** 09/03/2014      **Printed:** 04-21-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

**Glossary**

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|        |   |      |   |
|--------|---|------|---|
| ACGIH  | American Conference of Governmental Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                      | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                     | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                           | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available   | SARA | Superfund Amendments and Reauthorization Act  |
|        |   | TLV  | Threshold Limit Value                         |
|        |   | TSCA | Toxic Substances Control Act                  |
|        |   | IDLH | Immediately dangerous to life and health      |