

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Identification

Product Name Erythrosin B Stain  
Product Number L13002

### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

### Manufacturer

Logos Biosystems, Inc.  
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Dongan-gu, Anyang-si  
Gyeonggi-do 14055  
South Korea  
Telephone: +82-31-478-4185  
Fax: +82-31-360-4277  
E-mail: sales@logosbio.com

### Supplier

Logos Biosystems, Inc.  
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Emergency telephone number +82 31 478 4185

For research use only. Not intended for human or animal diagnostic or therapeutic use.

## 2. HAZARDS IDENTIFICATION

### [GHS classification]

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008  
Acute toxicity, Oral (Category 4), H302

### Label elements

Labeling according Regulation (EC) No 1272/2008

Hazard pictograms



Signal word          Warning

Hazard statements  
H302 – Harmful if swallowed.

Precautionary statements  
P264 – Wash skin thoroughly after handling.  
P270 – Do not eat, drink, or smoke when using this product.

P301+P312+P330 – IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P330 – Rinse mouth.

P501 – Dispose of contents/container to an approved waste disposal plant.

**Other hazards**

None

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Mixtures**

Component	Synonyms	Formula	CAS No.	Weight %
Erythrosin B sodium salt	2',4',5',7'-Tetraiodofluorescein disodium salt	C <sub>20</sub> H <sub>6</sub> I <sub>4</sub> O <sub>5</sub> Na <sub>2</sub>	568-63-8	< 1%

### 4. FIRST AID MEASURES

**Description of first aid measures**

In case of eye contact	Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.
In case of skin contact	Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.
After inhalation	If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician.
After swallowing	If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. If the person is conscious do not induce vomiting, seek medical advice immediately and show this container or label.
Indication of any immediate medical attention and special treatment needed	No data available

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

**Suitable extinguishing media**

Use dry chemical, CO<sub>2</sub> or appropriate foam.

**Special hazards arising from the substances or mixture**

No data available

**Advice of fire-fighters**

**Protective equipment**

No special measures required

**Further information**

No data available

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

No data available

**Reference to other sections**

For disposal see section 13.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Ensure adequate ventilation.

**Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a cool, well-ventilated place

**Specific end use(s)**

No data available

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**Ingredients with limit values that require monitoring at the workplace**

Not required

**Additional information**

The lists valid during the making were used as basis.

**Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

<b>Respiratory protection</b>	No special protective equipment required.
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<b>Hand protection</b>	Protective gloves
<b>Eye protection</b>	Tightly fitting safety goggles
<b>Skin and Body protection</b>	Long sleeved clothing
<b>Control of Environmental exposure</b>	No data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Form: liquid Colour: red
<b>Odour</b>	No data available
<b>Odour Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	100°C
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Specific Gravity/Relative density</b>	No data available
<b>Solubility</b>	Soluble in water
<b>Partition coefficient: n-octanol / water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Dynamic viscosity</b>	No data available

### Other safety information

No data available

## 10. STABILITY AND REACTIVITY

## **Stability**

**Stability** Stable under recommended storage conditions.  
**Reactivity** No data available

## **Possibility of hazardous reactions**

No data available

## **Conditions to avoid**

No data available

## **Incompatible materials**

No data available

## **Hazardous decomposition products**

No data available

## **11. TOXICOLOGICAL INFORMATION**

### **Acute toxicity**

LD50 Oral - rat - 1.840 mg/kg

### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitization**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity – single exposure**

No data available

### **Specific target organ toxicity – repeated exposure**

No data available

### **Aspiration hazard**

No data available

### **Potential health effects**

<b>Inhalation</b>	May be harmful by inhalation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May cause skin irritation in susceptible persons

<b>Eyes</b>	May cause eye irritation with susceptible persons.
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**Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**12. ECOLOGICAL INFORMATION**

**Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

Not applicable

**Other adverse effects**

No data available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Product**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Contaminated packaging**

Recommendation Disposal must be made according to official regulations.  
 Recommended cleansing agents Water, if necessary together with cleansing agents.

**14. TRANSPORT INFORMATION**

<b>UN number</b>	ADR/RID: -	IMDG: -	IATA: -
<b>UN proper shipping name</b>	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
<b>Transport hazard class(es)</b>	ADR/RID: -	IMDG: -	IATA: -
<b>Packaging group</b>	ADR/RID: -	IMDG: -	IATA: -

<b>Environmental hazards</b>	ADR/RID: -	IMDG: -	IATA: -
<b>Special precautions for user</b>	No data available		

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available

### **Chemical safety assessment**

For this product a chemical safety assessment was not carried out

## 16. OTHER INFORMATION

### **Further information**

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Logos Biosystems, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See the reverse side of invoice or packing slip for additional terms and conditions of sale.

**End of Safety Data Sheet**