

SAFETY DATA SHEET

SECTION 1: Identification of the substance/ mixture and of the company/ undertaking

- a. Product Name : Erythrosin B Stain
- Product Number : L13002, L13003
- b. Relevant identified uses of the substance or mixture and uses advised against : **Identified uses**
Laboratory chemicals, Manufacture of substances
- c. Manufacturer & Supplier : Aligned Genetics, Inc
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SECTION 2: Hazards identification

a. GHS classification

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

b. GHS-Labeling

Labeling according to 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.

c. Other hazard which do not result in classification

None

SECTION 3: Composition/ Information on ingredients

3b. Mixtures

Component:	Erythrosin B sodium salt
Synonyms:	2',4',5',7'-Tetraiodofluorescein disodium salt
Formula:	$C_{20}H_6I_4O_5Na_2$
CAS-No.:	568-63-8
Weight%:	< 1%

SECTION 4: First aid measures

a. In case of eye contact

Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

b. 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.

c. If inhaled

If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician.

d. If swallowed

If a 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.

e. Most important symptoms and effects, both acute and delayed

No data available.

f. Indication of any immediate medical attention and special treatment needed

No data available.

g. General advice

Show this material safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

a. Suitable extinguishing media

Use dry chemical, CO₂ or appropriate foam.

b. Specific hazards arising from the chemical

No data available

c. Special protective actions for fire-fighters

No special measures required.

d. Further information

No data available.

SECTION 6: Accidental release measures

- a. Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
- b. Environmental precautions**
Prevent further leakage or spillage if safe to do so.
- c. Methods and materials for containment and cleaning up**
No data available.
- d. Reference to other sections**
For disposal see section 13.

SECTION 7: Handling and storage

- a. Precautions for safe handling**
Ensure adequate ventilation.
- b. Conditions for safe storage**
Keep containers tightly closed in a cool, well-ventilated place.
- c. Specific end use(s)**
No data available.

SECTION 8: Exposure controls/ personal protection

- a. 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.
- b. Appropriate engineering controls**
Ensure adequate ventilation, especially in confined areas.
- c. Personal protective equipment**
 - Hand protection**
Protective gloves.
 - Eye protection**
Tightly fitting safety goggles.
 - Skin and Body protection**
Long sleeved clothing.
 - Respiratory protection**
No special protective equipment required.
 - Control of Environmental exposure**
No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- a. Appearance**

Form: liquid

	Colour: red
b. Odor	No data available
c. Odor Threshold	No data available
d. pH	No data available
e. Melting point/freezing point	No data available
f. Initial boiling point and boiling range	100°C
g. Flash point	No data available
h. Evaporation rate	No data available
i. Flammability (solid, gas)	No data available
j. Lower explosion limit	No data available
k. Upper explosion limit	No data available
l. Vapour pressure	No data available
m. Vapour density	No data available
n. Specific Gravity/Relative density	No data available
o. Solubility	Soluble in water
p. Partition coefficient: n-octanol / water	No data available
q. Auto-ignition temperature	No data available
r. Decomposition temperature	No data available
s. Viscosity	No data available
t. Dynamic viscosity	No data available

Other safety information

No data available

SECTION 10: Stability and reactivity

- a. **Stability**
Stable under recommended storage conditions.
- b. **Reactivity**
No data available.
- c. **Possibility of hazardous reactions**
No data available.
- d. **Conditions to avoid**
No data available.
- e. **Incompatible materials**
No data available.
- f. **Hazardous decomposition products**
No data available.

SECTION 11: Toxicological information

- a. **Information on likely routes of exposure**
 - Inhalation**
May be harmful by inhalation.
 - Ingestion**
May be harmful if swallowed.

Skin

May cause skin irritation in susceptible persons.

Eyes

May cause eye irritation with susceptible persons.

b. Delayed and immediate effects and also chronic effect from short and long term exposure

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.

Additional information

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

SECTION 12: Ecological information

a. Toxicity

No data available.

b. Persistence and degradability

No data available.

c. Bioaccumulative potential

No data available.

d. Mobility in soil

No data available.

e. Results of PBT and vPvB assessment

No data available.

f. Other adverse effects

No data available.

SECTION 13: Disposal considerations

a. Disposal methods

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

b. Contaminates packaging

Recommendation

Recommended cleansing agents

Disposal must be made according to official regulations.

Water, if necessary, together with cleansing agents.

SECTION 14: Transport information

UN number	ADR/RID: -	IMDG: -	IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: -	IMDG: -	IATA: -
Packaging group	ADR/RID: -	IMDG: -	IATA: -
Environmental hazards	ADR/RID: -	IMDG: -	IATA: -
Special precautions for user	No data available		

SECTION 15: Regulatory information

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

a. Regulation under the Occupational Safety and Health Act

No data available.

b. Chemical safety assessment

For this product, a chemical safety assessment was not carried out.

SECTION 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 applies to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aligned Genetics, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or contact with the above product. See the reverse side of the invoice or packing slip for additional terms and conditions of sale.

End of Safety Data Sheet