LBSO-RD-SDS-EB-001

SAFETY DATA SHEET

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

a. Product Name : Erythrosin B Stain

Product Number : L13002, L13006

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

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:	Acid Red 51; Solvent Red 140; 2',4',5',7'-Tetraiodofluorescein; FD&C Red No. 3; Erythrosin extra bluish
Formula:	$C_{20}H_6I_4O_5Na_2$
CAS-No.:	16423-68-0
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, CO_2 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 storge

a. Precautions for safe handling
Ensure adequate ventilation.

b. Conditions for safe storge
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℃
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: Disposal must be made according to official regulations.
Recommended cleansing agents: 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 Ac
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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End of Safety Data Sheet