

DENOVIX, INC.

Safety Data Sheet Erythrosin B

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

1.1 Product identifier

Product name Erythrosin B

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

For R&D use only

1.3 Details of the supplier of the safety data sheet

Name DeNovix, Inc.
Address 3411 Silverside Road
Hanby Building 101
Wilmington DE 19810
USA

Telephone 302-442-6911

1.4 Emergency telephone number

302-442-6911

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.3 Other hazards

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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Hazardous components

1. Phosphate Buffered Saline

Concentration 99.98 % (weight)

2. ERYTHROSIN B

Concentration 0.02 % (weight)

EC no. 235-440-4

CAS no. 16423-68-0

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes Consult a physician. Show this safety data sheet to the doctor in attendance.

Following inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Following skin contact Rinse with plenty of water. Get medical attention if irritation develops and persists.

Following eye contact Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Following ingestion Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available.

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Phosphate Buffered Saline:

Sodium chloride : Hydrogen chloride gas, Sodium oxides

Potassium chloride: Hydrogen chloride gas, Potassium oxides

Sodium phosphate dibasic: Oxides of phosphorus, Sodium oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions

Should not be released into the environment. See Section 12 for additional ecological information.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protection equipment

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Eye and face protection

Eye/Face Protection: None required with normal household use. Industrial Setting: For splash protection, use chemical goggles. Eye wash fountain is recommended.

Skin protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

No data available

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	No data available
Colour	Red
Odour	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosive limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Evaporation rate	No data available
Density and/or relative density	No data available
Relative vapour density	No data available
Particle characteristics	No data available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No data available

9.2.2 Other safety characteristics

No data available

SECTION 10: Stability and reactivity

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10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

None under normal use conditions.

10.5 Incompatible materials

Strong oxidizing agents

Phosphate Buffered Saline 0.01M (1X PBS) :

Sodium chloride : Strong oxidizing agents

Potassium chloride: Strong acids, Strong oxidizing agents

Sodium phosphate dibasic: Strong oxidizing agents, Strong acids

10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

Phosphate Buffered Saline:

Potassium chloride: Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

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IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity (STOT) - single exposure

No data available

Specific target organ toxicity (STOT) - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

No data available on product

12.2 Persistence and degradability

No data available on product

12.3 Bioaccumulative potential

No data available on product

12.4 Mobility in soil

No data available on product.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product disposal

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Solutions of diluted detergent in the course of use, may be allowed to be flushed down sewer. First check with your local water treatment plant. Recycling is undiluted scrap product. Do not landfill. Household Use: Household product is safe for disposal down the drain during detergent use or in the trash. Dispose of empty bottle in the trash or recycle where facilities exist.

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Packaging disposal

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

Canadian Domestic Substances List (DSL)

Chemical name: Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 3',6'-dihydroxy-2',4',5',7'-tetraiodo-, disodium salt
CAS number: 16423-68-0

Chemical name: Sodium chloride (NaCl)

CAS number: 7647-14-5

Chemical name: Potassium chloride (KCl)

CAS number: 7447-40-7

Chemical name: Phosphoric acid, disodium salt

CAS number: 7558-79-4

Chemical name: Phosphoric acid, monopotassium salt

CAS number: 7778-77-0

Chemical name: Phosphoric acid, potassium salt

CAS number: 16068-46-5

Chemical name: Water

CAS number: 7732-18-5

EU Table of Harmonised Entries (Annex VI to CLP)

Chemical name: Sodium chloride

CAS number: 7647-14-5

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: PHOSPHORIC ACID, DISODIUM SALT

CAS number: 7558-79-4

Asterisk: no; Refs: F8

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Sodium phosphate, dibasic

CAS number: 7558-79-4

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TRI listing: unlisted; CERCLA listing: X-reportable; TURA-only listing: no; de minimis concentration threshold: 1 percent. Changes: CERCLA Chemical added RY1992

New Jersey Right To Know Components

Common name: SODIUM PHOSPHATE, DIBASIC

CAS number: 7558-79-4

Pennsylvania Right To Know Components

Chemical name: PHOSPHORIC ACID, DISODIUM SALT

CAS number: 7558-79-4

Listing note: E-environmental hazard.

SARA 302 Components

No chemicals in this material [Phosphate Buffered Saline 0.01M (1X PBS)] [Sodium chloride] are subject to the reporting requirements of SARA Title III, Section 302.

No chemicals in this material [Phosphate Buffered Saline 0.01M (1X PBS)] [Potassium chloride] are subject to the reporting requirements of SARA Title III, Section 302.

No chemicals in this material [Phosphate Buffered Saline 0.01M (1X PBS)] [Sodium phosphate dibasic] are subject to the reporting requirements of SARA Title III, Section 302.

No chemicals in this material [Phosphate Buffered Saline 0.01M (1X PBS)] [Water] are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

No SARA Hazards for: Sodium chloride for: Phosphate Buffered Saline 0.01M (1X PBS) .

No SARA Hazards for: Potassium chloride for: Phosphate Buffered Saline 0.01M (1X PBS) .

No SARA Hazards for: Water for: Phosphate Buffered Saline 0.01M (1X PBS) .

SARA 313 Components

This material [Phosphate Buffered Saline 0.01M (1X PBS)] [Sodium chloride] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This material [Phosphate Buffered Saline 0.01M (1X PBS)] [Potassium chloride] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This material [Phosphate Buffered Saline 0.01M (1X PBS)] [Sodium phosphate dibasic] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This material [Phosphate Buffered Saline 0.01M (1X PBS)] [Water] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US EPA TSCA public inventory

Chemical name: ERYTHROSIN B

CAS number: 16423-68-0

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Chemical name: Sodium chloride
CAS number: 7647-14-5

Chemical name: Potassium chloride
CAS number: 7447-40-7

Chemical name: Sodium phosphate dibasic
CAS number: 7558-79-4

Chemical name: Potassium phosphate Monobasic
CAS number: 7778-77-0

Chemical name: Water
CAS number: 7732-18-5

SECTION 16: Other information

Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall DeNovix be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if DeNovix has been advised of the possibility of such damages.