Section 1 | Product and Company Identification

1.1 Product identifiers

Product name: ES/4 Enriched Seawater Medium
Product Number: ES/4
Company: UTEX Culture Collection of Algae

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

Recommended use: Algal Culture Medium

1.3 Details of the supplier of the safety data sheet

Company: UTEX Culture Collection of Algae
205 West 24th Street, Biological Labs 218
University of Texas at Austin (A6700)
Austin, TX 78712 USA
Phone: (512) 471-4019
Fax: (512) 471-0354

Section 2 | Hazards Identification

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements
Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
None

Section 3 | Composition/Information on Ingredients

3.1 Mixtures

Description: This product contains a mixture of the substances listed along with nonhazardous additions.
Ingredients:
- Enrichment Solution for Seawater Medium
- Pasteurized Seawater

Section 4 | First Aid Measures

4.1 Description of first aid measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact: Wash off with soap and plenty of water. Consult a physician.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or 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
   Suitable 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

5.3 Advice for firefighters
   Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
   No data available

Section 6 | Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
   Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions
   Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
   Soak up with inert absorbent material and dispose of as hazardous waste. 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
   Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. 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. Storage class (TRGS 510): 12: Non Combustible Liquids

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
   Contains no substances with occupational exposure limit values.

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

   Personal protective equipment:
   - **Eye/face protection**: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
   - **Skin protection**: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
**Section 9 | Physical and Chemical Properties**

**Physical State:** Liquid

**Color:** Clear

**Odor:** None

**pH:** 6-8

**Salinity:** 30 ppt

**Boiling Point:** Not determined

**Melting Point:** Not determined

**Flash Point:** Not determined

**Autoigniting Temp:** Not determined

**Explosion Limits:** Not determined

**Vapor Pressure:** Not determined

**Density:** Not determined

**Solubility:** Not determined

**Control of environmental exposure**

Do not let product enter drains.

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**Body protection** Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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**Section 10 | Stability and Reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides

Other decomposition products - No data available

In the event of fire: see section 5

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**Section 11 | Toxicological Information**

**11.1 Information on toxicological effects**

**Acute toxicity** No data available

**Inhalation** No data available

**Dermal** No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitisation: No data available
Germ cell mutagenicity: No data available
Carcinogenicity:
- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human 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 on OSHA’s list of regulated carcinogens.
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:
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 | Ecological Information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
No data available

Section 13 | Disposal Considerations

13.1 Waste disposal
Dispose of in accordance with applicable state and federal regulations.

Section 14 | Transport Information

DOT Classification: Not a DOT controlled material (United States).
Hazard Class: None

Section 15 | Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
**SARA 313 Components**  This material does not contain any components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**  No SARA Hazards

**Massachusetts Right To Known Components**  No components are subjected to the Massachusetts Right to Know Act.

**California Prop. 65 Components**  This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**Section 16 | Other Information**

**HMIS Rating**

- **Health hazard:** 1
- **Flammability:** 0
- **Physical hazard:** 0

**NFPA Rating**

- **Health hazard:** 1
- **Fire Hazard:** 0
- **Reactivity Hazard:** 0

**Further information**

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**Preparation Information**

UTEX Culture Collection of Algae
UTEX Staff Scientists
512-471-4019

Updated: November 2018