# Material Safety Data Sheet

Revision date: October 9, 2026

## 1. Product And Company Identification

| | |
|---|---|
| **Product Name** | EMC4 Positive Control |
| **Product Catalog** | PC-EMC4 |
| **Recommended Use** | For research use only |
| **Supplier Address** | FabGennix International, Inc. 9191 Kyser Way Bldg. 4 Suite 400 Frisco, TX 75033 Tel: 214-387-8105 or 1-800-786-1236 (Toll Free) Fax: 214-387-0870 |
| **E-mail address** | info@fabgennix.com |
| **Emergency telephone** | In case of a serious emergency please call your local emergency services. For non-threatening emergencies please contact 214-387-8105 or 1-800-786-1236 (Toll Free) Monday-Friday 8 AM-5 PM CST |

## 2. Hazards Identification

| | |
|---|---|
| **Ozone** | Not applicable |
| **GHS Label elements, including precautionary statements** | Not dangerous |

## 3. Composition / Information on Ingredients

| Chemical Name | CAS-No | Weight % |
|---|---|---|
| Tris | 77-86-1 | <0.1% |
| HCL/Glycine Buffer | 6000-43-7 | <0.1% |
| Glycerol | 56-81-5 | <0.1% |
| BSA | 9048-46-8 | <0.1% |
| Sodium Azide | 26628-22-8 | <0.05% |

## 4. First Aid Measures

| | |
|---|---|
| **Eye contact** | Flush immediately with water. After initial flushing remove any contact lenses and continue flushing with water for at least 15 minutes. |
| **Skin contact** | Immediately wash off with soap and water. Remove all contaminated clothes and shoes. |
| **Inhalation** | Move to an area with fresh air. |
| **Ingestion** | Rinse and clean your mouth with water. Drink water. |
| **Notes to physician** | Treat any issues symptomatically. |

## 5. Fire-Fighting Measures

| | |
|---|---|
| **Flammable properties** | Not flammable |
| **Flash point** | Not determined |
| **Suitable extinguishing media** | Use appropriate extinguishing measures for the circumstances and environment. |
| **Sensitivity to mechanical impact / static discharge** | None |
| **Protective equipment for firefighters** | Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent full protective gear to prevent contact. |

## 6. Accidental Release Measures

| | |
|---|---|
| **Personal precautions** | Ensure adequate ventilation |

| | |
|---|---|
| **Environmental precautions** | Try to prevent the material from entering drains or water sources. |
| **Methods for containment** | If safe, prevent further leakage or spillage |
| **Methods for cleaning up** | Pick up and transfer to properly labeled containers |

## 7. Handling and Storage

| | |
|---|---|
| **Storage conditions** | Product is stable for 1 year at -20°C or below. |
| **Duration of stability** | Product is stable for 1 year at -20°C or below |
| **Advice on safe handling** | Keep containers tightly closed. |

## 8. Exposure Controls / Personal Protection

| | |
|---|---|
| **Exposure guidelines** | This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies |
| **Engineering measures** | Showers, eyewash stations, ventilation systems |
| **Hygiene measures** | Handle in accordance with good industrial hygiene and safety practices. Wear gloves. |

## 9. Personal Protective Equipment

| | |
|---|---|
| **Eye/face protection** | No special protective equipment required. |
| **Skin and body protection** | No special protective equipment required. Gloves suggested. |
| **Respiratory protection** | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. |

## 10. Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | Colorless |
| **Odor** | Odorless |
| **Physical state at 20°C** | Liquid |
| **pH** | 7.4-7.8 |

## 11. Stability and Reactivity

| | |
|---|---|
| **Stability** | Stable under recommended storage conditions |
| **Hazardous polymerization** | Hazardous polymerization does not occur |
| **Conditions to avoid** | Avoid repeated freeze/thaw cycles. Avoid strong reducing/oxidizing agents |

## 12. Toxicological Information

| | |
|---|---|
| **Acute toxicity** | Product does not present an acute toxicity hazard based on known or supplied information |
| **Target organ effects** | None known |

## 13. Ecological Information

| | |
|---|---|
| **Ecotoxicity** | The environmental impact of this product has not been fully investigated. |

## 14. Disposal Considerations

| | |
|---|---|
| **Waste disposal methods** | This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Consult the appropriate state, regional, or local regulations for additional requirements. |
| **Contaminated packaging** | Do not re-use empty containers. |

## 15. Transport Information

| | |
|---|---|
| **DOT** | Not dangerous goods |
| **IATA** | Not dangerous goods |
| **ADR** | Not dangerous goods |

## 16. Regulatory Information

| | |
|---|---|
| **SARA 313** | This product does not contain any chemicals which are subject to the reporting requirements of Section 313 of Title III of SARA and Title 40 CFR Part 372. |
| **SARA 311/312** | No acute, chronic, fire, sudden release of pressure, or reactive hazard. |
| **Clean Water Act** | This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42). |
| **CERCLA** | This material, as supplied, does not contain any substances regulated as hazardous substances under CERCLA (40 CFR 302) or SARA (40 CFR 355). |
| **California Proposition 65** | This product does not contain any Proposition 65 chemicals. |
| **U.S. State Right-to-know** | Sodium Azide: Massachusetts, New Jersey, Pennsylvania, Rhode Island |
| **WHMIS** | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this document contains all information required by the CPR. |

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, informatio
publication. The information given is designed only as guidance for safe handling, use, processing, storage, transp
is not to be considered a warranty or quality specification. The information relates only to the specific material des
such material used in combination with any other materials or in any process, unless specified in the text.