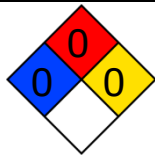


**Section 1. Identification of the Substance/Mixture and the Company**

|                                      |   |
|--------------------------------------|---|
| <p><b>1.1 Product Identifier</b></p> | <p><b>Non-Hazardous Buffers (Tris, Phosphate, MOPS, Citrate, Acetate, etc.), Blocks, Diluents, and Enzymes that DO NOT CONTAIN AZIDE:</b></p> <p><b>Including, but not limited to:</b><br/> <u>Product Code: Product Name</u><br/>           AAA: Super Block<br/>           ABG: SensiTek HRP<br/>           ABI: Enzyme Label Diluent<br/>           ABL: UltraTek HRP<br/>           ABR: EconoTek HRP<br/>           ABZ: CRF™ Anti-Polyvalent, HRP Polymer<br/>           ACA: Peroxide Block<br/>           ACC: DAB Substrate Buffer<br/>           ACU: DAB Substrate (High Contrast)<br/>           APE: Alkaline Phosphatase Enhancer<br/>           ATB: Acetate Buffer 0.2M, pH 4.0<br/>           CBB: Citrate Buffer (10x) pH 6.0<br/>           CPL: Citrate Plus (10X) HEIR Solution<br/>           CSB: Coating Stabilizer<br/>           EBB: ELISA Binding Buffer<br/>           ESD: Elisa Sample Diluent<br/>           ETA: EDTA-Saline Buffer (10X Concentrate) pH 8.0<br/>           EZB: EZ Block<br/>           GAA: Glycine-Acetic Acid Buffer, pH 3.5<br/>           HSB: HRP Stabilizing Diluent (Phosphate Buffered)<br/>           HSM: HRP Stabilizing Diluent (MOPS Buffered)<br/>           NFB: New Fuchsin Buffer<br/>           PAL: PolyTek Anti-Rabbit Polymerized Alk-Phos<br/>           PAM: PolyTek, Anti-Mouse Polymerized HRP<br/>           PAR: PolyTek, Anti-Rabbit Polymerized HRP<br/>           PBD: Phosphate Buffered Saline (10X)<br/>           PBE: Phosphate Buffered Saline (10X) + Tween<br/>           PBK: Pro-Block<br/>           PBM: Phosphate Buffer Solution, pH 6.8<br/>           PBS: Phosphate Buffered Saline (25X)<br/>           PBT: Phosphate Buffered Saline + Tween 20 (20x) pH 7.6<br/>           PRB: Permanent Red Buffer<br/>           SAB: Acetate Buffer Solution, pH 8.0<br/>           TBD: Tris Buffered Saline (10X) pH 7.5<br/>           TBE: Tris Buffered Saline (10X) plus Tween 20<br/>           TBS: Tris Buffered Saline (25X)<br/>           TBT: Tris Buffered Saline + Tween 20 (20X)<br/>           TES: Tris-EDTA HIER Solution (10x) pH 9.0<br/>           TSSB: Trypsin Buffer</p> |
| <p><b>1.2 Intended use</b></p>       | <p>EN: Laboratory reagent. For professional use only.<br/>           DA: Laboratoriereagens. Kun til professionelt brug.<br/>           DE: Laboratoriumreagens. Alleen voor professioneel gebruik.<br/>           EL: Αντιδραστήριο εργαστηρίου. Για επαγγελματική χρήση μόνο.<br/>           ES: Reactivo de laboratorio. Sólo para uso profesional.</p>  |

|   |   |  |                           |                |   |                     |              |                   |              |               |  |                |            |
|---|---|--|---------------------------|----------------|---|---------------------|--------------|-------------------|--------------|---------------|--|----------------|------------|
|   | FR: Réactif de laboratoire. Pour un usage professionnel uniquement.<br>IT: Laboratorio di reagente. Solo per uso professionale.<br>NL: Laboratoriumreagens. Alleen voor professioneel gebruik.<br>PT: Reagente de laboratório. Para uso profissional.<br>SV: Laboratoriereagens. Endast för yrkesmässig användning.   |  |                           |                |   |                     |              |                   |              |               |  |                |            |
| <b>1.3 Details of the supplier of the safety data sheet</b> | <table border="1"> <tr> <td><b>Manufacturer</b></td> <td>ScyTek Laboratories, Inc.</td> </tr> <tr> <td><b>Address</b></td> <td>205 South 600 West<br/>Logan, Utah 84321<br/>U.S.A.</td> </tr> <tr> <td><b>Phone Number</b></td> <td>800-729-8350</td> </tr> <tr> <td><b>Fax Number</b></td> <td>435-755-0015</td> </tr> <tr> <td><b>e-mail</b></td> <td><a href="mailto:scytek@scytek.com">scytek@scytek.com</a></td> </tr> <tr> <td><b>Website</b></td> <td>scytek.com</td> </tr> </table> | <b>Manufacturer</b>                                      | ScyTek Laboratories, Inc. | <b>Address</b> | 205 South 600 West<br>Logan, Utah 84321<br>U.S.A. | <b>Phone Number</b> | 800-729-8350 | <b>Fax Number</b> | 435-755-0015 | <b>e-mail</b> | <a href="mailto:scytek@scytek.com">scytek@scytek.com</a> | <b>Website</b> | scytek.com |
|   | <b>Manufacturer</b>   | ScyTek Laboratories, Inc.                                |                           |                |   |                     |              |                   |              |               |  |                |            |
|   | <b>Address</b>  | 205 South 600 West<br>Logan, Utah 84321<br>U.S.A.        |                           |                |   |                     |              |                   |              |               |  |                |            |
|   | <b>Phone Number</b>   | 800-729-8350   |                           |                |   |                     |              |                   |              |               |  |                |            |
|   | <b>Fax Number</b>   | 435-755-0015   |                           |                |   |                     |              |                   |              |               |  |                |            |
|   | <b>e-mail</b>   | <a href="mailto:scytek@scytek.com">scytek@scytek.com</a> |                           |                |   |                     |              |                   |              |               |  |                |            |
| <b>Website</b>  | scytek.com  |  |                           |                |   |                     |              |                   |              |               |  |                |            |
| <b>1.4 Emergency Telephone</b>                              | Chemtrec (USA): 1-800-424-9300  |  |                           |                |   |                     |              |                   |              |               |  |                |            |

## Section 2. Hazards Identification

|  |  |   |  |
|--|--|---|--|
| <b>2.1 GHS Classification:</b>   | Not a hazardous mixture as classified by GHS   |   |  |
| <b>2.2 Label Elements</b>  | Not a hazardous mixture as classified by GHS   |   |  |
| <b>NFPA</b><br><b>Scale: 0-4</b><br>(Estimated for Mixtures and Kits)          |   |   |  |
| <b>HMIS (U.S.A.)</b><br><b>Scale: 0-4</b><br>(Estimated for Mixtures and Kits) | HEALTH   | 0 |  |
|  | FLAMMABILITY   | 0 |  |
|  | PHYSICAL HAZARD  | 0 |  |
|  | PERSONAL PROTECTION  | C |  |
| <b>2.3 Other Hazards</b>   | <b>PBT:</b> This mixture does not contain any substances that are assessed to be a PBT.<br><b>vPvB:</b> This mixture does not contain any substances that are assessed to be a vPvB. |   |  |

## Section 3. Composition and Information on Ingredients

### 3.2 Chemical Description: Mixture

#### **Mixture(s) do not contain any hazardous ingredients >0.1%v/v\***

\*May contain non-hazardous proprietary ingredients.

\*May contain additional active ingredients at concentrations <0.1%v/v.

\*Mixture(s) do not contain sodium azide as a preservative, but may contain other preservatives. Please call or email if preservatives at <0.1%v/v may interfere with your specific experiment, and specific preservative information is required.

## Section 4. First Aid Measures

### 4.1 Description of first aid measures

**Eye Contact:** Some mixtures may be slightly irritating to the eye. Check for and remove contact lenses. Flush eyes with copious amounts of water. Get medical attention if irritation persists.

**Skin Contact:** Wash contact area with mild soap and water. Get medical attention if irritation develops.

**Inhalation:** No inhalation hazards should be present.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Rinse mouth with water. Get medical attention if symptoms develop.

**4.2 Most important symptoms and effects, both acute and delayed**  
See section 2.2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed**  
No immediate medical attention and/or special treatment should be needed, unless large amounts are consumed and symptoms are present. If so, get immediate medical attention.

### Section 5. Fire Fighting Measures

|  |   |
|--|---|
| <b>5.1 Extinguishing Media</b>                                   | Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.                              |
| <b>5.2 Special hazards arising from the substance or mixture</b> | None known  |
| <b>5.3 Advice for firefighters</b>                               | As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) |

### Section 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**  
Wear chemical resistant clothing, gloves, and eye protection.

**6.2 Environmental precautions**  
Keep material away from heat, flame, ignition sources, and reactive materials. Don't allow product to enter drain unless it is in accordance with federal, state and local environmental control regulations..

**6.3 Methods and materials for containment and cleaning up**  
Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

### Section 7. Handling and Storage

**7.1 Precautions for safe handling.**  
Avoid contact with skin and eyes.  
Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities.**  
Keep container tightly closed.  
See each individual container for temperature of storage conditions.

**7.3 Specific end use(s).**  
See section 1.2

### Section 8. Exposure Controls / Personal Protection

|                               |  |
|-------------------------------|--|
| <b>8.1 Control parameters</b> | <b>Exposure Limits:</b><br>N/A   |
| <b>8.2 Exposure controls</b>  | <b>Personal Protective Equipment (PPE):</b><br><b>Eye/Face protection.</b><br>Safety glasses or goggles are required.<br><b>Skin protection.</b><br>Protective clothing is required.<br><b>Hand protection.</b><br>Chemical resistant gloves are required.<br><b>Respiratory protection.</b> |

|                             |  |
|-----------------------------|--|
|                             | No respiratory protection is required.<br><b>Environmental exposure controls.</b><br>Avoid releasing large quantities into the environment.<br>No additional information.  |
| <b>Engineering Controls</b> | Working area should be adequately large and well ventilated to prevent concentration of vapors.<br>Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits. |

### Section 9. Physical and Chemical Properties

|   |  |
|---|--|
| <b>Physical State</b>                         | Liquid   |
| <b>Color</b>                                  | May be colorless (most buffers), red (contains HRP), or slightly yellow (contains protein) |
| <b>Odor</b>                                   | Odorless   |
| <b>Odor Threshold</b>                         | Unknown  |
| <b>pH</b>                                     | 4 – 9 (depending on product)   |
| <b>Melting Point/ Freezing Point</b>          | Unknown  |
| <b>Initial Boiling Point</b>                  | Unknown  |
| <b>Flash Point</b>                            | Unknown  |
| <b>Evaporation Rate</b>                       | Near water   |
| <b>Flammability (solid, gas)</b>              | Unknown  |
| <b>Upper/Lower Flammability Limits</b>        | Unknown  |
| <b>Vapor Pressure</b>                         | Unknown  |
| <b>Vapor Density</b>                          | Unknown  |
| <b>Relative Density</b>                       | Unknown  |
| <b>Solubility(ies)</b>                        | Water  |
| <b>Partition Coefficient: n-octanol/water</b> | Unknown  |
| <b>Auto-Ignition Temperature</b>              | Unknown  |
| <b>Decomposition Temperature</b>              | Unknown  |
| <b>Viscosity</b>                              | Unknown  |
| <b>Explosive Properties</b>                   | Not explosive.   |
| <b>Oxidizing Properties</b>                   | Unknown  |

### Section 10. Stability and Reactivity

|  |   |
|--|---|
| <b>10.1 Reactivity</b>                         | No relevant data available.                     |
| <b>10.2 Chemical Stability</b>                 | Stable under normal temperatures and pressures. |
| <b>10.3 Possibility of Hazardous Reactions</b> | No hazardous reactions known.                   |
| <b>10.4 Conditions to Avoid</b>                | Fire, static electricity, direct sunlight.      |
| <b>10.5 Incompatible Materials</b>             | Strong oxidizers. Strong acids or alkalis.      |
| <b>10.6 Hazardous Decomposition Materials</b>  | None known.                                     |

### Section 11. Toxicological Information

|   |  |
|---|--|
| <b>11.1 Information on Toxicological Effects.</b> | <p><b>Acute Toxicity.</b><br/>No relevant data available</p> <p><b>Skin Corrosion/Irritation.</b><br/>May be slightly irritating to skin and mucous membranes.</p> <p><b>Serious Eye Damage/Irritation.</b><br/>May be irritating to eye.</p> <p><b>Respiratory or skin sensitization.</b><br/>No relevant data available.</p> <p><b>Germ Cell Mutagenicity.</b><br/>No relevant data available.</p> |
| <b>Carcinogenicity.</b>                           | <p><b>International Agency for Research on Cancer (IARC).</b><br/>None of the components are listed.</p> <p><b>National Toxicology Program (NTP).</b><br/>None of the components are listed.</p>   |

### Section 12. Ecological Information

|   |   |
|---|---|
| <b>12.1 Toxicity</b>                            | <p><b>Fish:</b> No relevant studies identified.</p> <p><b>Crustacea:</b> No relevant studies identified.</p> <p><b>Algae/Aquatic Plants:</b> No relevant studies identified.</p> <p><b>Other Organisms:</b> No relevant studies identified.</p> |
| <b>12.2 Persistence and Degradability.</b>      | No relevant studies identified.   |
| <b>12.3 Bioaccumulative Potential.</b>          | No relevant studies identified.   |
| <b>12.4 Mobility in Soil.</b>                   | Miscible in water. May spread in water systems.   |
| <b>Additional Remarks</b>                       | None.   |
| <b>12.5 Results of PBT and vPvB Assessment.</b> | <p><b>PBT:</b> This mixture does not contain any substances that are assessed to be a PBT.</p> <p><b>vPvB:</b> This mixture does not contain any substances that are assessed to be a vPvB.</p>   |

### Section 13. Disposal Considerations

|  |  |
|--|--|
| <b>13.1 Waste Disposal Methods.</b>    | Dispose waste in accordance with federal, state and local environmental control regulations.   |
| <b>Product/Packaging Disposal.</b>     | Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.  |
| <b>Other Disposal Recommendations.</b> | Please contact university environmental health and safety department, waste collection department, or local waste water facility to determine disposal considerations. |

### Section 14. Transport Information

|  |                              |
|--|------------------------------|
| <b>14.1 UN Number</b>                  | Not regulated for transport. |
| <b>14.2 UN Proper Shipping Name</b>    | Not regulated for transport. |
| <b>14.3 Transport Hazard Class(es)</b> | Not regulated for transport. |
| <b>14.4 Packing Group</b>              | Not regulated for transport. |
| <b>14.5 Environmental Hazards</b>      | <b>Marine Pollutant:</b> No  |

Safety Data Sheet  
**BBDE-SDS**

Rev. Date: Jan 29, 2024

Revision: 3

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

|  |                 |
|--|-----------------|
| <b>14.6 Special Precautions for User</b> | Not applicable. |
|--|-----------------|

**Section 15. Regulatory Information**

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.**

|  |  |
|--|--|
| <b>Extremely Hazardous Substances; Section 355</b> | None of the components in this mixture are listed. |
| <b>Toxic Substances Control Act; TSCA</b>          | All of the components in this mixture are listed.  |

**Section 16. Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.