

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

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

Safety Data Sheet

BBDE-SDS

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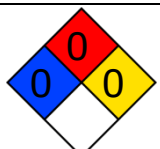
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	PT: Reagente de laboratório. Para uso profissional. SV: Laboratoriereagens. Endast för yrkesmässig användning.	
1.3 Details of the supplier of the safety data sheet	Manufacturer	ScyTek Laboratories, Inc.
	Address	205 South 600 West Logan, Utah 84321 U.S.A.
	Phone Number	800-729-8350
	Fax Number	435-755-0015
	e-mail	scytek@scytek.com
	Website	scytek.com
1.4 Emergency Telephone	Chemtrec (USA): 1-800-424-9300	

Section 2. Hazards Identification

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

Prepared according to the Globally Harmonized System (GHS)

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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

5.1 Extinguishing Media	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
5.2 Special hazards arising from the substance or mixture	None known
5.3 Advice for firefighters	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

8.1 Control parameters	Exposure Limits: N/A
8.2 Exposure controls	Personal Protective Equipment (PPE): Eye/Face protection. Safety glasses or goggles are required. Skin protection. Protective clothing is required. Hand protection. Chemical resistant gloves are required. Respiratory protection. No respiratory protection is required. Environmental exposure controls. Avoid releasing large quantities into the environment.

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	No additional information.
Engineering Controls	Working area should be adequately large and well ventilated to prevent concentration of vapors. 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

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

Section 10. Stability and Reactivity

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

Section 11. Toxicological Information

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

Section 12. Ecological Information

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

Section 13. Disposal Considerations

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

Section 14. Transport Information

14.1 UN Number	Not regulated for transport.
14.2 UN Proper Shipping Name	Not regulated for transport.
14.3 Transport Hazard Class(es)	Not regulated for transport.
14.4 Packing Group	Not regulated for transport.
14.5 Environmental Hazards	Marine Pollutant: No
14.6 Special Precautions for User	Not applicable.

Section 15. Regulatory Information



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

Extremely Hazardous Substances; Section 355	None of the components in this mixture are listed.
Toxic Substances Control Act; TSCA	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.