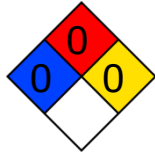


Section 1. Identification of the Substance/Mixture and the Company

1.1 Product Identifier	Non-Hazardous Buffers (Substrates), Blocks, Diluents, and Enzymes that CONTAIN AZIDE: Including, but not limited to: <u>Product Code: Product Name</u> ABB: Normal Antibody Diluent (Phosphate Buffered) ABD: Normal Antibody Diluent (Phosphate Buffered) without BSA ABH: SensiTek Alkaline Phosphatase ABM: UltraTek Alkaline Phosphatase ABV: EconoTek Alkaline Phosphatase ACC: DAB Substrate Buffer ACU: DAB Substrate (High Contrast) ADT: Normal Antibody Diluent (Tris Buffered) APD: Alk-Phos Stabilizing Diluent APG: Primary Antibody Diluent (Phosphate, Green) ATG: Primary Antibody Diluent (Tris, Green) BBA: Biotin Block Part A BBB: Biotin Block Part B HTH: Human-To-Human Blocking Reagent MTM: Mouse-To-Mouse Blocking Reagent RTR: Rabbit-To-Rabbit Blocking Reagent													
1.2 Intended use	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. PT: Reagente de laboratório. Para uso profissional. SV: Laboratoriereagens. Endast för yrkesmässig användning.													
1.3 Details of the supplier of the safety data sheet	<table border="1" style="width: 100%;"> <tr> <td style="width: 25%;">Manufacturer</td> <td>ScyTek Laboratories, Inc.</td> </tr> <tr> <td>Address</td> <td>205 South 600 West Logan, Utah 84321 U.S.A.</td> </tr> <tr> <td>Phone Number</td> <td>800-729-8350</td> </tr> <tr> <td>Fax Number</td> <td>435-755-0015</td> </tr> <tr> <td>e-mail</td> <td>msds@scytek.com</td> </tr> <tr> <td>Website</td> <td>scytek.com</td> </tr> </table>	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	msds@scytek.com	Website	scytek.com	
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e-mail	msds@scytek.com													
Website	scytek.com													

Section 2. Hazards Identification

2.1 GHS Classification:	Not a hazardous mixture as classified by GHS
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2.2 Label Elements	Not a hazardous mixture as classified by GHS		
NFPA Scale: 0-4			
HMIS (U.S.A.) Scale: 0-4	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*

Mixtures contain less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication. Sodium azide (NaN₃) is used as a preservative and is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976) (3)

*May contain non-hazardous proprietary ingredients.

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

*Mixture(s) May contain other preservatives. Please call or email if preservatives at <0.1%v/v may interfere with your 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

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:

Sodium Azide:
ACGIH TLV: 0.29mg/m³ ceiling
NIOSH REL-C: 0.3mg/m³ skin

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.

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 Alk-Phos), slightly yellow (contains protein) , Green (Antibody Diluent)
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	Normally not explosive. Sodium Azide may react with lead and copper plumbing to form explosive metal azides.
Oxidizing Properties	Unknown

Section 10. Stability and Reactivity

10.1 Reactivity	Sodium Azide may react with lead and copper plumbing to form explosive metal azides.
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.	<p>Acute Toxicity. Sodium Azide (not mixture): LD50 Oral - Rat - 27 mg/kg</p> <p>Skin Corrosion/Irritation. May be slightly irritating to skin and mucous membranes.</p> <p>Serious Eye Damage/Irritation. May be irritating to eye.</p> <p>Respiratory or skin sensitization. No relevant data available.</p> <p>Germ Cell Mutagenicity. Sodium Azide is a known mutagen.</p>
Carcinogenicity.	<p>International Agency for Research on Cancer (IARC). None of the components are listed.</p> <p>National Toxicology Program (NTP). None of the components are listed.</p>

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. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing
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. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing.

Section 14. Transport Information

14.1 UN Number DOT, IATA,IMDG, ADR	DOT: Not dangerous goods ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods DOT: Not dangerous goods
14.3 Transport Hazard Class(es)	DOT: Not dangerous goods IATA: Not dangerous goods IMDG: Not dangerous goods ADR/RID: Not dangerous goods
14.4 Packing Group DOT, IATA,IMDG, ADR	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods DOT: Not dangerous goods
14.5 Environmental Hazards	Marine Pollutant: No
14.6 Special Precautions for User	Sodium Azide may react with lead and copper plumbing to form explosive metal azides

Section 15. Regulatory Information

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



Safety Data Sheet
BBDEwA-SDS

Rev. Date: Feb. 12, 2019

Revision: 1

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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

Extremely Hazardous Substances; Section 355	Sodium Azide is listed.
Toxic Substances Control Act; TSCA	All of the components in this mixture are listed.
15.2 Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by ScyTek Laboratories, Inc.

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.