



14 May 2020

### Kit Components

Product Code	Description
NAP45001	sbeadex SAB (sequencing application beads), 5 mL
NAP45002	sbeadex SAB (sequencing application beads), 20 mL
NAP45003	sbeadex SAB (sequencing application beads), 100 mL
NAP45004	sbeadex SAB (sequencing application beads), 450 mL

### Components

sbeadex™ particles suspension sequencing application beads (SAB)
Elution Buffer PN



## SAFETY DATA SHEET sbeadex SAB binding mix

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 04/30/2020      Version: A

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** sbeadex SAB binding mix

**Identified Uses of the Manufactured Article and Uses Advised Against:** Laboratory research use only

#### Details of the Supplier of the Safety Data Sheet

**Manufacturer:** Biosearch Technologies  
2905 Parmenter Street  
Middleton, WI 53562  
U.S.A.  
Phone: (608) 831-9011  
Fax: (608) 831-9012  
E-mail: [techsupport@LGCGroup.com](mailto:techsupport@LGCGroup.com)

**Information Phone:** (608) 831-9011

**Emergency Telephone Number:** 1-888-575-9695 (Biosearch Technologies: Monday-Friday, 8:00AM-5:00PM)

**SDS Date of Preparation:** April 30, 2020

### 2. HAZARDS IDENTIFICATION

#### GHS Classification:

Physical:	Health:
Not Hazardous	Not Hazardous

#### GHS Label Elements:

None Required

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS #	%
Non-hazardous ingredients	Proprietary	100

### 4. FIRST AID MEASURES

#### Description of First Aid Measures

**Ingestion:** Do not induce vomiting unless directed to do so by a medical professional. Get medical attention if you feel unwell or large amounts are ingested.

**Inhalation:** Remove victim to fresh air. Get medical attention if breathing is difficult or symptoms develop.

**Eye Contact:** Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation occurs and persists.

**Skin Contact:** Wash from skin with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation or symptoms occur and persist.

**Most Important symptoms and effects, both acute and delayed:** May cause slight eye, skin, or respiratory tract irritation.

**Indication of any immediate medical attention and special treatment needed:** Immediate medical attention should not be required.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use carbon dioxide, powder, or water spray. For larger fires, use water spray or alcohol-resistant foam.

### Special Hazards Arising from the Manufactured Article

**Unusual Fire and Explosion Hazards:** This product is not classified as flammable or combustible but will burn under fire conditions. Fumes released by this product may be harmful.

**Hazardous Combustion Products:** Carbon oxides

**Advice for Fire-Fighters:** Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures:

Minimize generation of mist or vapors. Use appropriate protective equipment to avoid inhalation and eye contact.

### Environmental Precautions:

Prevent product from entering drains. Do not flush into surface water or storm drains. Notify authorities as required by local, state and federal regulations.

### Methods and Material for Containment and Cleaning Up:

Absorb with an inert absorbent material and place in a suitable container for disposal. Clean spill area thoroughly.

**Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for proper disposal.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Use only with adequate ventilation. Wash thoroughly after handling and use, especially before eating, drinking or smoking.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry, well-ventilated location.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters:

Hazardous Component	OSHA PEL	ACGIH TLV
Non-hazardous ingredients	None Established	None Established

### Exposure Controls

**Ventilation:** Use local exhaust or general ventilation as required to minimize exposure and maintain the concentration of contaminants below the occupational exposure limits.

**Respiratory Protection:** Use an approved respirator if exposure limits are exceeded or where dust exposures are excessive. Consider the potential for exposure to components of the coatings or base material being ground

in selecting proper respiratory protection. Refer to local regulations for specific standards where appropriate. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with applicable regulations and good industrial hygiene practice. Follow 29 CFR 1910.1025, 1910.1018, and 1910.1029 for specific respiratory protection requirements when working with the applicable compounds.

**Gloves:** Butyl rubber, viton, or nitrile gloves recommended.

**Eye Protection:** Safety glasses with side shields are recommended.

**Other:** Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic Physical and Chemical Properties

**Appearance:** Brown fluid.

**Odor:** Characteristic

**Boiling Point:** Not Determined

**Solubility in Water:** Dispersible

**Specific Gravity:** Not Determined

**pH:** Not Applicable

**Melting/Freezing Point:** Not Applicable

**Flammable Limits: LEL:** Not Applicable

**Autoignition Temperature:** Not Applicable

**Viscosity:** Not Available

**Oxidizing Properties:** Not an Oxidizer

**Molecular Formula:** Mixture

**Flammability (solid, gas):** Not classified as a flammable solid

**Odor Threshold:** Not Determined

**Vapor Pressure:** Not Determined

**Vapor Density: (Air = 1)** Not Applicable

**Evaporation Rate:** Not Applicable

**Octanol/Water Partition Coefficient:** Not Available

**Flash Point:** Not Applicable

**UEL:** Not Applicable

**Decomposition Temperature:** Not Applicable

**Explosive Properties:** Not Explosive

**Relative Density:** Not Determined

**Molecular Weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive.

**Chemical Stability:** Stable.

**Possibility of Hazardous Reactions:** Not expected to occur.

**Conditions to Avoid:** Avoid heat, flames, and sparks.

**Incompatible Materials:** None known.

**Hazardous Decomposition Products:** Thermal decomposition may release oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects:

**Ingestion:** None expected under normal use conditions. Ingestion of large amounts may cause gastrointestinal disturbance.

**Inhalation:** Inhalation of vapors may cause slight respiratory irritation.

**Eye:** May cause slight eye irritation.

**Skin:** May cause slight skin irritation.

### Acute Toxicity Values:

Non-hazardous ingredients: No data available

**Skin corrosion/irritation:** Not corrosive or irritating.

**Eye damage/irritation:** May cause slight eye irritation. Effects not sufficient for classification.

**Respiratory irritation:** May cause slight respiratory tract irritation. Effects not sufficient for classification.

**Respiratory Sensitization:** Not expected to cause sensitization.

**Skin Sensitization:** Not expected to cause skin sensitization.

**Germ Cell Mutagenicity:** Not expected to be a mutagen.

**Carcinogenicity:** None of the components of this product present at >0.1% are listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

**Reproductive Toxicity:** Not expected to cause adverse reproductive effects.

**Specific Target Organ Toxicity:**

**Single Exposure:** No data available

**Repeat Exposure:** None known.

## 12. ECOLOGICAL INFORMATION

### Toxicity

This product is not expected to be harmful to the aquatic environment.

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** Not applicable

**Results of PBT and vPvB Assessment:** Not applicable

**Other Adverse Effects:** Not applicable

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods:

Dispose in accordance with all applicable local, state/provincial and federal regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

## 14. TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not Regulated	None	None	No
IMDG	None	Not Regulated	None	None	No
IATA/ICAO	None	Not Regulated	None	None	No

**Special Precautions for User:** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

## 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations/Legislation Specific for the Manufactured Article:**

**US Regulations:**

**SARA Section 311/312 Hazard Categories:** Refer to Section 2 for OSHA Hazard Classification.

**SARA Section 313:** Some products contain the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting):

None

**California Proposition 65:** This product does not contain chemicals known to the state of California to cause cancer and/or reproductive harm.

**Domestic Substances List:** All of the ingredients of this product are listed on the DSL.

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

<b>16. OTHER INFORMATION</b>
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**NFPA Hazard Rating:** Health: 0  
Fire: 1  
Reactivity: 0

**Date Previous Revision:** None  
**Date This Revision:** 04/30/2020  
**Revision Summary:** New SDS  
**Prepared By:** LGC

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The preceding information is believed to be correct and current as of the date of preparation of this Safety Data Sheet. Since the use of this information and the conditions of use of this product are not within the control of Biosearch Technologies, it is the user's obligation to assure safe use of this product.



## SAFETY DATA SHEET Elutions Buffer AMP

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 04/30/2020      Version: A

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Elutions Buffer AMP

**Identified Uses of the Manufactured Article and Uses Advised Against:** Laboratory research use only.

#### Details of the Supplier of the Safety Data Sheet

**Manufacturer:** Biosearch Technologies  
2905 Parmenter Street  
Middleton, WI 53562  
U.S.A.  
Phone: (608) 831-9011  
Fax: (608) 831-9012  
E-mail: [techsupport@LGCGroup.com](mailto:techsupport@LGCGroup.com)

**Information Phone:** (608) 831-9011

**Emergency Telephone Number:** 1-888-575-9695 (Biosearch Technologies: Monday-Friday, 8:00AM-5:00PM)

**SDS Date of Preparation:** April 30, 2020

### 2. HAZARDS IDENTIFICATION

#### GHS Classification:

Physical:	Health:
Not Hazardous	Not Hazardous

#### GHS Label Elements:

None Required

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS #	%
2-Amino-2-methyl-1-propanol	124-68-5	<1

### 4. FIRST AID MEASURES

#### Description of First Aid Measures

**Ingestion:** Do not induce vomiting unless directed to do so by a medical professional. Get medical attention if you feel unwell or large amounts are ingested.

**Inhalation:** Remove victim to fresh air. Get medical attention if breathing is difficult or symptoms develop.

**Eye Contact:** Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation or symptoms occur and persist.

**Skin Contact:** Wash from skin with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation or symptoms occur and persist.

**Most Important symptoms and effects, both acute and delayed:** Exposure to vapors or mist may cause mechanical irritation.

**Indication of any immediate medical attention and special treatment needed:** Immediate medical attention should not be required.

**5. FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use carbon dioxide, powder, or water spray. For larger fires, use water spray or alcohol-resistant foam.

**Special Hazards Arising from the Manufactured Article**

**Unusual Fire and Explosion Hazards:** This product is not classified as flammable or combustible but will burn under fire conditions. Fumes released by this product may be harmful.

**Hazardous Combustion Products:** Carbon oxides

**Advice for Fire-Fighters:** Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Minimize generation of mist or vapors. Use appropriate protective equipment to avoid inhalation and eye contact.

**Environmental Precautions:**

Prevent product from entering drains. Do not flush into surface water or storm drains. Notify authorities as required by local, state and federal regulations.

**Methods and Material for Containment and Cleaning Up:**

Absorb with an inert absorbent material and place in a suitable container for disposal. Clean spill area thoroughly.

**Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for proper disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling:** Use only with adequate ventilation. Wash thoroughly after handling and use, especially before eating, drinking or smoking.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry, well-ventilated location.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters:**

Hazardous Component	OSHA PEL	ACGIH TLV
2-Amino-2-methyl-1-propanol	None Established	None Established

**Exposure Controls**

**Ventilation:** Use local exhaust or general ventilation as required to minimize exposure and maintain the concentration of contaminants below the occupational exposure limits.

**Respiratory Protection:** Use an approved respirator if exposure limits are exceeded or where dust exposures are excessive. Consider the potential for exposure to components of the coatings or base material being ground



in selecting proper respiratory protection. Refer to local regulations for specific standards where appropriate. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with applicable regulations and good industrial hygiene practice. Follow 29 CFR 1910.1025, 1910.1018, and 1910.1029 for specific respiratory protection requirements when working with the applicable compounds.

**Gloves:** Butyl rubber, viton, or nitrile gloves recommended.

**Eye Protection:** Safety glasses with side shields are recommended.

**Other:** Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic Physical and Chemical Properties

**Appearance:** Clear fluid.

**Odor:** Characteristic

**Boiling Point:** 100°C

**Solubility in Water:** Fully miscible

**Specific Gravity:** Not Determined

**pH:** Not Applicable

**Melting/Freezing Point:** Not Applicable

**Flammable Limits: LEL:** Not Applicable

**Autoignition Temperature:** Not Applicable

**Viscosity:** Not Available

**Oxidizing Properties:** Not an Oxidizer

**Molecular Formula:** Mixture

**Flammability (solid, gas):** Not classified as a flammable solid

**Odor Threshold:** Not Determined

**Vapor Pressure:** 23 hPa

**Vapor Density: (Air = 1)** Not Applicable

**Evaporation Rate:** Not Applicable

**Octanol/Water Partition Coefficient:** Not Available

**Flash Point:** Not Applicable

**UEL:** Not Applicable

**Decomposition Temperature:** Not Applicable

**Explosive Properties:** Not Explosive

**Relative Density:** Not Determined

**Molecular Weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive.

**Chemical Stability:** Stable.

**Possibility of Hazardous Reactions:** Not expected to occur.

**Conditions to Avoid:** Avoid heat, flames, and sparks.

**Incompatible Materials:** None known.

**Hazardous Decomposition Products:** Thermal decomposition may release oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects:

**Ingestion:** None expected under normal use conditions. Ingestion of large amounts may cause gastrointestinal disturbance.

**Inhalation:** Inhalation of vapors may cause slight respiratory irritation.

**Eye:** May cause slight mechanical eye irritation.

**Skin:** May cause slight skin irritation.

### Acute Toxicity Values:

2-Amino-2-methyl-1-propanol: Oral LD50 Rat: 2,900 mg/kg; Dermal LD50 Rabbit: >2,000 mg/kg

**Skin corrosion/irritation:** Not corrosive or irritating.

**Eye damage/irritation:** May cause slight eye irritation. Effects not sufficient for classification.

**Respiratory irritation:** May cause slight respiratory tract irritation. Effects not sufficient for classification.

**Respiratory Sensitization:** Not expected to cause sensitization.

**Skin Sensitization:** Not expected to cause skin sensitization.

**Germ Cell Mutagenicity:** Not expected to be a mutagen.

**Carcinogenicity:** None of the components of this product present at >0.1% are listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

**Reproductive Toxicity:** Not expected to cause adverse reproductive effects.

**Specific Target Organ Toxicity:**

**Single Exposure:** No data available

**Repeat Exposure:** None known.

**12. ECOLOGICAL INFORMATION**

**Toxicity**

This product is not expected to be harmful to the aquatic environment.

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** Not applicable

**Results of PBT and vPvB Assessment:** Not applicable

**Other Adverse Effects:** Not applicable

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods:**

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**14. TRANSPORT INFORMATION**

	<b>14.1 UN Number</b>	<b>14.2 UN Proper Shipping Name</b>	<b>14.3 Hazard Class(s)</b>	<b>14.4 Packing Group</b>	<b>14.5 Environmental Hazards</b>
<b>US DOT</b>	None	Not Regulated	None	None	No
<b>IMDG</b>	None	Not Not Regulated	None	None	No
<b>IATA/ICAO</b>	None	Not Regulated	None	None	No

**Special Precautions for User:** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

**15. REGULATORY INFORMATION**

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**US Regulations:**

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**California Proposition 65:** This product does not contain chemicals known to the state of California to cause cancer and/or reproductive harm.

**Domestic Substances List:** All of the ingredients of this product are listed on the DSL.

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

<b>16. OTHER INFORMATION</b>
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**NFPA Hazard Rating:** Health: 0  
Fire: 1  
Reactivity: 0

**Date Previous Revision:** None  
**Date This Revision:** 04/30/2020  
**Revision Summary:** New SDS  
**Prepared By:** LGC

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