



SAFETY DATA SHEET

1. COMPANY & PRODUCT IDENTIFICATION

Product Name	myBaits® Target Capture Kit
	<u>myBaits Box#1</u>
	- myBaits Hyb N 175 or 500 ul
	- myBaits Hyb S 750 ul
	- myBaits Beads 550 or 1600 ul
	- myBaits Binding Buffer 12 or 36 ml
	- myBaits Wash Buffer 20 or 60 ml
	<u>myBaits Box#2</u>
	- myBaits Hyb D 70 or 190 ul
	- myBaits Hyb R 25 or 70 ul
	- myBaits Block C 50 or 130 ul
	- myBaits Block O 50 or 130 ul
	- myBaits Block A 30 ul
	<u>myBaits Box#3</u>
	- myBaits Baits 50 ul
Product Code	Cat# 3XXXXX
Recommended Usage	For research use only. Not intended for human or animal diagnostic or therapeutic uses.
Company Information	Arbor Biosciences 5840 Interface Drive, Suite 101 Ann Arbor, MI 48103 USA
Company Email	info@arborbiosci.com
Company Phone	+1 (734) 998-0751
Emergency Phone	Chemtrec US: (800) 424-9300 Chemtrec EU: (202) 483-7616

2. HAZARDS IDENTIFICATION

Emergency Overview

May be harmful by inhalation, in contact with skin and if swallowed. May be irritating to the eyes, respiratory system and skin. Use prudent laboratory practices for handling chemical substances.

OSHA/HCS status

myBaits Hyb N	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
myBaits Hyb S	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

myBaits Beads	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
myBaits Binding Buffer	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
myBaits Wash Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.
myBaits Hyb D	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.
myBaits Hyb R	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.
myBaits Block C	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.
myBaits Block O	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.
myBaits Block A	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.
myBaits Baits	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

Hazard statements

myBaits Hyb N	May cause respiratory tract, eye and skin irritation in susceptible persons. May be harmful if swallowed.
myBaits Hyb S	Causes respiratory tract, eye and skin irritation. May cause allergic skin reaction. May be harmful if swallowed.
myBaits Beads	May cause respiratory tract, eye and skin irritation in susceptible persons. May be harmful if swallowed.
myBaits Binding Buffer	May cause respiratory tract, eye and skin irritation. Contains material that may cause target organ damage, based on animal data.
myBaits Wash Buffer	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.
myBaits Hyb D	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.
myBaits Hyb R	May cause respiratory tract, eye and skin irritation in susceptible persons. May be harmful if swallowed.

myBaits Block C	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.
myBaits Block O	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.
myBaits Block A	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.
myBaits Baits	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.

Precautions

myBaits Hyb N	Do not breathe vapor or mist. Do not ingest. Do not get on skin or clothing. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
myBaits Hyb S	Do not breathe vapor or mist. Do not ingest. Do not get on skin or clothing. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
myBaits Beads	Do not breathe vapor or mist. Do not ingest. Do not get on skin or clothing. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
myBaits Binding Buffer	Do not breathe vapor or mist. Do not ingest. Do not get on skin or clothing. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
myBaits Wash Buffer	Do not breathe vapor or mist. Do not ingest. Do not get on skin or clothing. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
myBaits Hyb D	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
myBaits Hyb R	Do not breathe vapor or mist. Do not ingest. Do not get on skin or clothing. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
myBaits Block C	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
myBaits Block O	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
myBaits Block A	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
myBaits Baits	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

Routes of entry

myBaits Hyb N	Not available
myBaits Hyb S	Not available
myBaits Beads	Not available
myBaits Binding Buffer	Not available
myBaits Wash Buffer	Not available
myBaits Hyb D	Not available
myBaits Hyb R	Not available
myBaits Block C	Not available
myBaits Block O	Not available
myBaits Block A	Not available
myBaits Baits	Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS number	%
myBaits Hyb N	Sodium chloride	7647-14-5	10 – 30
	Sodium dihydrogenorthophosphate	7558-80-7	1 – 5
	Disodium dihydrogen ethylenediaminetetraacetate	6381-92-6	10 – 30
myBaits Hyb S	Sodium dodecyl sulfate solution (SDS)	151-21-3	10
myBaits Binding Buffer	Sodium chloride	7647-14-5	5 – 10
myBaits Beads	Sodium azide	26628-22-8	<0.1

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Handle all chemicals with caution.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

Eye contact

myBaits Hyb N	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
myBaits Hyb S	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

	Get medical attention immediately.
myBaits Beads	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
myBaits Binding Buffer	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
myBaits Wash Buffer	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
myBaits Hyb D	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
myBaits Hyb R	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
myBaits Block C	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
myBaits Block O	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
myBaits Block A	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
myBaits Baits	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact

myBaits Hyb N	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
myBaits Hyb S	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
myBaits Beads	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
myBaits Binding Buffer	In case of contact, immediately flush skin with plenty of water for at least 15

	minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
myBaits Wash Buffer	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
myBaits Hyb D	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
myBaits Hyb R	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
myBaits Block C	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
myBaits Block O	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
myBaits Block A	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
myBaits Baits	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

Inhalation

myBaits Hyb N	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
myBaits Hyb S	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
myBaits Beads	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get

	medical attention if symptoms occur.
myBaits Binding Buffer	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
myBaits Wash Buffer	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
myBaits Hyb D	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
myBaits Hyb R	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
myBaits Block C	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
myBaits Block O	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
myBaits Block A	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
myBaits Baits	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.

Ingestion

myBaits Hyb N	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
myBaits Hyb S	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
myBaits Beads	Wash out mouth with water. Do not induce vomiting unless directed to do so by

	medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
myBaits Binding Buffer	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
myBaits Wash Buffer	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
myBaits Hyb D	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
myBaits Hyb R	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
myBaits Block C	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
myBaits Block O	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
myBaits Block A	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
myBaits Baits	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

Flammability of the product	In a fire or if heated, a pressure increase will occur and the container may burst.
Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire. Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. No action should be taken without suitable training. Provide adequate ventilation.
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Environmental precautions	Prevent further leakage or spillage if safe to do so. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.
Methods for cleaning up	Dilute with water and soak up with inert absorbent material. Place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. HANDLING & STORAGE

Handling	Always wear appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Store in accordance with local regulations. Store in original container in a fridge or freezer, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Methods for cleaning up	Dilute with water and soak up with inert absorbent material. Place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium azide	none	none	none	none

Engineering measures - Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment - Requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Hand protection	Impervious gloves
Eye protection	Safety glasses with side-shields
Skin and body protection	Lightweight protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls - Prevent product from entering drains

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

myBaits Hyb N	Liquid
myBaits Hyb S	Liquid
myBaits Beads	Suspension
myBaits Binding Buffer	Liquid
myBaits Wash Buffer	Liquid
myBaits Hyb D	Liquid
myBaits Hyb R	Liquid
myBaits Block C	Liquid
myBaits Block O	Liquid
myBaits Block A	Liquid
myBaits Baits	Liquid

Appearance

myBaits Hyb N	Liquid
myBaits Hyb S	Liquid
myBaits Beads	Liquid suspension
myBaits Binding Buffer	Liquid
myBaits Wash Buffer	Liquid
myBaits Hyb D	Liquid
myBaits Hyb R	Liquid
myBaits Block C	Liquid
myBaits Block O	Liquid
myBaits Block A	Liquid
myBaits Baits	Liquid

pH

myBaits Hyb N	6 to 8
myBaits Hyb S	6 to 8
myBaits Beads	7.4
myBaits Binding Buffer	6 to 8
myBaits Wash Buffer	6 to 8

myBaits Hyb D	6 to 8
myBaits Hyb R	No data available
myBaits Block C	No data available
myBaits Block O	No data available
myBaits Block A	No data available
myBaits Baits	No data available

Flash Point	No data available
Autoignition Temperature	No data available
Flammable Limits	No data available
Color	No data available
Odor	No data available
Boiling Point/Range	No data available
Melting Point/Range	No data available
Volatility	No data available
Viscosity	No data available
Water Solubility	Soluble
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Materials To Avoid	No dangerous reaction known under conditions of normal use. myBaits Beads - Sodium azide may react with lead and copper plumbing to form highly explosive metal azides
Conditions to Avoid	None under normal use
Hazardous Decomposition Products	None under normal use
Possibility of Hazardous Reactions	None under normal use
Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Emergency Overview

May be harmful by inhalation, in contact with skin and if swallowed. May be irritating to the eyes, respiratory system and skin. Use prudent laboratory practices for handling chemical substances.

Acute Toxicity

<i>Product/Ingredient Name</i>	<i>Result</i>	<i>Species</i>	<i>Dose</i>	<i>Exposure</i>
myBaits Hyb N				
Sodium chloride	LC50 Inhalation Dusts and Mists	Rat	>42 g/m ³	1 hr
	LD50 Oral	Rat	3000 mg/kg	-
Sodium dihydrogenorthophosphate	LD50 Oral	Rat	8290 mg/kg	-
Disodium dihydrogen ethylenediaminetetraacetate	LD50 Oral	Rat	2 g/kg	-
myBaits Hyb S				
Sulfuric acid monododecyl ester sodium salt (1:1)	LD50 Oral	Rat	1288 mg/kg	-
myBaits Binding Buffer				
	LC50 Inhalation Dusts and Mists	Rat	>42 g/m ³	1 hr
Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
myBaits Beads				
Sodium azide	LD50 Oral	Rat	27 mg/kg	-

Irritation/Corrosion

<i>Product/Ingredient Name</i>	<i>Result</i>	<i>Species</i>	<i>Score</i>	<i>Exposure</i>
myBaits Hyb N				
Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hrs / 100mg
	Eyes - Moderate irritant	Rabbit	-	10 mg
	Skin - Mild irritant	Rabbit	-	24 hrs / 500mg
Sodium dihydrogenorthophosphate	Eyes - Mild irritant	Rabbit	-	150 mg
myBaits Binding Buffer				
	Eyes - Moderate irritant	Rabbit	-	24 hrs / 100mg
Sodium chloride	Eyes - Moderate irritant	Rabbit	-	10 mg
	Skin - Mild irritant	Rabbit	-	24 hrs / 500mg

Other Adverse Symptoms None available

Sensitization None available

Carcinogenic Effects None available

Target Organ Effects None available

Mutagenic Effects None available

Teratogenic Effects None available

Reproductive Toxicity None available
 Chronic Toxicity None available

12. ECOLOGICAL INFORMATION

Ecotoxicity No known significant effects or critical hazards
 Other Adverse Effects No known significant effects or critical hazards
 Biodegradation No data available
 Bioaccumulation Low to no potential

Aquatic Ecotoxicity

<i>Product/Ingredient Name</i>	<i>Result</i>	<i>Species</i>	<i>Exposure</i>
myBaits Hyb N			
Sodium chloride	Acute EC50 2430000 ug/L Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 402600 to 469200 ug/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1042 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 1000000 ug/L Fresh water	Fish - Morone saxatilis – Larvae	96 hours
	Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days
	Chronic NOEC 100 mg/L Fresh water	Fish - Gambusia holbrooki – Adult	8 weeks
Sodium dihydrogenorthophosphate	Acute LC50 186000 ug/L Fresh water	Fish - Gambusia affinis – Adult	96 hours
Disodium dihydrogen ethylenediaminetetraacetate	Acute LC50 320 mg/l Fresh water	Fish	96 hours
myBaits Binding Buffer			
Sodium chloride	Acute EC50 2430000 ug/L Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 402600 to 469200 ug/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1042 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 1000000 ug/L Fresh water	Fish - Morone saxatilis – Larvae	96 hours

	Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days
	Chronic NOEC 100 mg/L Fresh water	Fish - Gambusia holbrooki – Adult	8 weeks

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Empty containers retain product residue and can be hazardous. Do not reuse container.

The information presented in this document only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. TRANSPORTATION INFORMATION

DOT Proper shipping name: None
Non-hazardous for transport: This kit is considered to be non-hazardous for transport.

IATA Non-hazardous for air transport: This kit is considered to be non-hazardous for transport.

Hazard class - none

Subsidiary class - none

Packing group - none

UN-No - none

15. REGULATORY INFORMATION

This product is for research use only.

HCS Classification

myBaits Hyb N	Irritating material / Target organ effects
myBaits Hyb S	Irritating material / Sensitizing material
myBaits Beads	Contains sodium azide
myBaits Binding Buffer	Irritating material / Target organ effects
myBaits Wash Buffer	Not regulated
myBaits Hyb D	Not regulated

myBaits Hyb R	Not regulated
myBaits Block C	Not regulated
myBaits Block O	Not regulated
myBaits Block A	Not regulated
myBaits Baits	Not regulated

U.S. Federal regulations

TSCA	Sodium azide (26628-22-8, <0.1)
TSCA 8(a) IUR	Water; Albumins, blood serum; .alpha.-D-Glucopyranoside,.beta.-D-fructofuranosyl, polymer with 2-(chloromethyl)oxirane; 2-Pyrrolidinone, 1-ethenyl-, homopolymer
United States inventory (TSCA 8b)	All components are listed or exempted
SARA 313	<i>This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986:</i>
	Sodium azide CAS-No 26628-22-8 Weight % <0.1 Threshold Values 1.0
SARA 302/304/311/312 extremely hazardous substances	No products were found
SARA 302/304 emergency planning and notification	No products were found
SARA 302/304/311/312 hazardous chemicals	Sodium chloride; Disodium dihydrogen ethylenediaminetetraacetate
SARA 311/312 MSDS distribution - chemical inventory - hazard identification	Sodium chloride: Immediate (acute) health hazard, Delayed (chronic) health hazard; Disodium dihydrogen ethylenediaminetetraacetate: Delayed (chronic) health hazard
Clean Water Act (CWA) 307	No products were found
Clean Water Act (CWA) 311	Potassium hydroxide; Edetic acid
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	No products were found
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor Chemicals)	Not listed
DEA List II Chemicals (Essential	Not listed

Chemicals)	
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State regulations

Massachusetts	Listed - sodium azide
New York	None of the components are listed.
New Jersey	Listed - sodium azide
Pennsylvania	Listed - sodium azide
Illinois	None of the components are listed.
Rhode Island	Listed - sodium azide
<u>California Prop. 65</u>	No products were found

16. OTHER INFORMATION

*FOR RESEARCH USE ONLY.
 FOR IN VITRO USE ONLY.
 NOT FOR USE IN HUMAN OR ANIMALS.
 NOT FOR USE IN DIAGNOSTIC PROCEDURES.*

DISCLAIMER: The information contained in this document is based on Biodiscovery, LLC (d.b.a. Arbor Bioscience)'s state of knowledge at the time of preparation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All applicable local regulations should be followed. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied. BIODISCOVERY LLC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

END OF SAFETY DATA SHEET