

## 1. COMPANY AND PRODUCT INFORMATION

**Product Name** myBaits® Target Capture Kit

myBaits Box#1

- 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

myBaits Box#2

- myBaits Hyb D 70 or 190 ul
- myBaits Hyb R 25 or 70 ul
- myBaits Block C 50 or 130 ul
- myBaits Block O 90 or 270 ul
- myBaits Block X 5 or 9 or 27 ul
- myBaits Buffer E 550 or 1600 ul

myBaits Box#3

- 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** Daicel Arbor Biosciences  
5840 Interface Drive, Suite 101  
Ann Arbor, MI 48103  
USA

**Company Email** [techsupport@arbor.daicel.com](mailto:techsupport@arbor.daicel.com)

**Company Phone** +1 (734) 998-0751

**Emergency Phone** Chemtrec US: (800) 424-9300  
Chemtrec EU: (202) 483-7616

## 2. HAZARDS IDENTIFICATION

Emergency Overview - Use prudent laboratory practices for handling chemical substances.

OSHA/HCS status

Component – myBaits Hyb N	
Disodium dihydrogen ethylenediaminetetraacetate	Acute Tox Oral 4 Acute Tox Inhalation 4 Acute Tox Dermal 4 Skin Corr. 2 Eye Irr. 2 STOT SE 3

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<b>Component – myBaits Hyb S</b>	
Sodium dodecyl sulfate solution (SDS)	Acute Tox Oral 4 Acute Tox Inhalation 4 Skin Corr. 2 Eye Dam. 1 STOT SE 3
<b>Component – myBaits Beads</b>	
Sodium azide	Acute Tox Oral 2

**Label Elements**

Danger

**Hazard statements**

- Fatal if swallowed
- Harmful if swallowed
- Harmful in contact with skin
- Causes skin irritation
- Causes serious eye damage
- Harmful if inhaled
- May cause respiratory irritation
- May cause damage to organs



**Precautionary Statements**

- Avoid breathing spray.
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection
- IF SWALLOWED: Immediately call a POISON CENTER/doctor
- IF ON SKIN: Wash with plenty of soap and water
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER/doctor
- Call a POISON CENTER/doctor if you feel unwell
- If eye irritation persists: Get medical advice/attention
- If exposed or concerned: Get medical advice/attention
- Take off contaminated clothing and wash it before reuse

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight%
<b>Component – myBaits Hyb N</b>		
Disodium dihydrogen ethylenediaminetetraacetate	6381-92-6	10-30
<b>Component – myBaits Hyb S</b>		
Sodium dodecyl sulfate solution (SDS)	151-21-3	10
<b>Component – myBaits Beads</b>		
Sodium azide	26628-22-8	<0.1

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

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Immediately get medical attention.
<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Ingestion</b>	IF SWALLOWED: Immediately get medical attention.

### 5. FIRE-FIGHTING MEASURES

<b>Flammability of the product</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire. Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

**Special protective equipment** 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.

**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	No OSHA PEL, OSHA PEL (Ceiling), ACGIH OEL (TWA), ACGIH OEL (STEL) limits.
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

#### Suspension

myBaits Beads

#### Liquid

myBaits Hyb N

myBaits Hyb S

myBaits Binding Buffer

myBaits Wash Buffer

myBaits Hyb D

myBaits Hyb R

myBaits Block C

myBaits Block O

myBaits Block X

myBaits Buffer E

myBaits Baits

### APPEARANCE

#### Liquid suspension

myBaits Beads

## Liquid

myBaits Hyb N  
myBaits Hyb S  
myBaits Binding Buffer  
myBaits Wash Buffer  
myBaits Hyb D  
myBaits Hyb R  
myBaits Block C  
myBaits Block O  
myBaits Block X  
myBaits Buffer E  
myBaits Baits

## pH

### 6 to 8

myBaits Hyb N  
myBaits Hyb S  
myBaits Binding Buffer  
myBaits Wash Buffer  
myBaits Hyb D

### 7.4

myBaits Beads

### 8.5

myBaits Buffer E

## No data available

myBaits Hyb R  
myBaits Block C  
myBaits Block O  
myBaits Block X  
myBaits Baits

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. <b>myBaits Beads</b> – 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	Fatal if swallowed. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause damage to organs. Use prudent laboratory practices for handling chemical substances.
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Acute Toxicity Product/Ingredient Name	Result	Species	Dose	Exposure
<b>myBaits Hyb N</b>				
Disodium dihydrogen ethylenediaminetetraacetate	LD50 Oral	Rat	2 g/kg	-
<b>myBaits Beads</b>				
Sodium azide	LD50 Oral	Rat	27 mg/kg	-

Irritation/Corrosion	Causes skin irritation. May cause respiratory irritation.
Other Adverse Symptoms	Fatal if swallowed.

Sensitization	None available
Carcinogenic Effect	None available
Target Organ Effects	May cause damage to organs
Mutagenic Effects	None available
Teratogenic Effects	None available
Reproductive Toxicity	None available
Chronic Toxicity	None available

**12. ECOLOGICAL INFORMATION**

Ecotoxicity	Very toxic to aquatic life with long lasting effects (Sodium azide)
Other Adverse Effects	No known significant effects or critical hazards

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

Biodegradation	No data available
Bioaccumulation	Low to no potential

**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/ID no. - none

## 15. REGULATORY INFORMATION

This product is for research use only.

### International Inventories

TSCA	Listed
DSL/NDSL	Listed DSL
EINECS/ELINCS	Registered/Pre-registered/NLP
ENCS	Listed
IECSC	Listed
KECL	Listed
PICCS	Listed
AICS	Listed
NZICS	Listed
TCSI	Listed

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZICS - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

### **U.S. Federal regulations**

#### SARA 313

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: Sodium azide; CAS-No 26628-22-8; Weight % <0.1; Threshold Values 1.0



# SAFETY DATA SHEET

Revised April 1, 2024

## SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	Yes

## CWA (Clean Water Act)

Ethylenediaminetetraacetate

## CERCLA

This product contains the following chemical(s) subject to the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material. Sodium azide; CAS-No 26628-22-8; Weight % <0.1; Threshold Values 1.0

## US 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
California Prop. 65	None of the components are listed.

## 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.

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