Section 1: COMPANY AND PRODUCT IDENTIFICATION

1.1. Product identifier

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

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use  For research use only. Not intended for human or animal diagnostic or therapeutic uses.

1.3. Details of the supplier of the safety data sheet

Company Information
Daicel Arbor Biosciences
5840 Interface Drive, Suite 101
Ann Arbor, MI 48103
USA
Tel: +1 (734) 998-0751
info@arorbiosci.com

For further information, please contact

1.4. Emergency telephone number

Emergency Telephone  Chemtrec US (800) 424-9300  Chemtrec EU (202) 483-7616

Section 2: HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity Oral</td>
<td>Category 2 - (H300)</td>
</tr>
<tr>
<td>Acute Toxicity Inhalation</td>
<td>Category 4 - (H322)</td>
</tr>
<tr>
<td>Acute Toxicity Dermal</td>
<td>Category 4 - (H312)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2 - (H315)</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1 - (H318)</td>
</tr>
</tbody>
</table>
STOT SE – may cause damage to organs  Category 2 - (H371)
STOT SE – may cause respiratory irritation  Category 3 - (H335)
Aquatic Acute  Category 1 - (H400)
Aquatic Chronic  Category 1 - (H410)

2.2. Label elements

Signal word
Danger

Hazard statements
H300 - Fatal if swallowed
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H371 - May cause damage to organs
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)
P261 - Avoid breathing spray.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER/doctor
P312 - Call a POISON CENTER/doctor if you feel unwell
P337 + P313 - If eye irritation persists: Get medical advice/attention
P308 + P311 - If exposed or concerned: Get medical advice/attention
P362 + P364 – Take off contaminated clothing and wash it before reuse
P391 - Collect spillage

2.3. Other hazards
No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Weight%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>REACH STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component – myBaits Hyb N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
<td>613-386-6</td>
<td>6381-92-6</td>
<td>10-30</td>
<td>Acute Tox 4; (H302) Acute Tox 4; (H312)</td>
<td>Pre-registered</td>
</tr>
</tbody>
</table>
Acute Tox 4; (H332)
Skin Corr. 2; (H315)
Eye Irr. 2; (H319)
STOT SE 3; (H335)
Aquatic Chronic 3; (H412)

Component – myBaits Hyb S
Sodium dodecyl sulfate solution (SDS) 205-788-1 151-21-3 10 Acute Tox 4; (H302) Acute Tox 4; (H332) Skin Corr. 2; (H315) Eye Dam. 1; (H318) STOT SE 3; (H335) Aquatic Chronic 3; (H412) Registered

Component – myBaits Beads
Sodium azide 247-852-1 26628-22-8 <0.1 Acute Tox 2; (H300) Aquatic Acute 1; (H400) Aquatic Chronic 1; (H410) Registered

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Remove to fresh air.

Eye contact
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.

Skin contact
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.

Ingestion
IF SWALLOWED: Immediately get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Water spray. Dry chemical. Foam.

Unsuitable extinguishing media
Water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
No information available.
5.3. Advice for firefighters

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Ensure adequate ventilation. Use personal protective equipment as required.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions
Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for containment
Dike to collect large liquid spills.

Methods for cleaning up
Pick up and transfer to properly labeled containers.

Prevention of secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections
See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling
Ensure adequate ventilation.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions
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.

7.3. Specific end use(s)

Risk Management Methods (RMM)
The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits
The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>European Union</th>
<th>United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide 26628-22-8</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td><em>TWA: 0.2 mg/m³</em></td>
</tr>
<tr>
<td></td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td><em>STEL: 0.4 mg/m³</em></td>
</tr>
<tr>
<td>Sodium azide 26628-22-8</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
</tr>
<tr>
<td>Sodium azide 26628-22-8</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.2 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.4 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td>STEL: 0.3 mg/m³</td>
<td>TWA: 0.2 mg/m³</td>
</tr>
</tbody>
</table>

**Derived No Effect Level (DNEL)**
No information available.

**Predicted No Effect Concentration (PNEC)**
No information available.

### 8.2. Exposure controls

**Engineering controls**
Showers
Eyewash stations
Ventilation systems.

**Personal protective equipment**

**Eye/face protection**
Tight sealing safety goggles.

**Hand Protection**
Wear suitable gloves.

**Skin and body protection**
Wear suitable protective clothing.

**Respiratory protection**
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**
Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**
No information available.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**Physical state**
- **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
### my Baits 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6 to 8</td>
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<tr>
<td></td>
<td>myBaits Hyb N</td>
</tr>
<tr>
<td></td>
<td>myBaits Hyb S</td>
</tr>
<tr>
<td></td>
<td>myBaits Binding Buffer</td>
</tr>
<tr>
<td></td>
<td>myBaits Wash Buffer</td>
</tr>
<tr>
<td></td>
<td>myBaits Hyb D</td>
</tr>
<tr>
<td></td>
<td>7.4</td>
</tr>
<tr>
<td></td>
<td>myBaits Beads</td>
</tr>
<tr>
<td></td>
<td>8.5</td>
</tr>
<tr>
<td></td>
<td>myBaits Buffer E</td>
</tr>
</tbody>
</table>

**Property**
- No data available

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
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<tr>
<td>Lower flammability limit:</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Kinematic viscosity  No data available  
Dynamic viscosity  No data available  
Explosive properties  No data available  
Oxidizing properties  No data available  

9.2. Other information

Softening point  No data available  
Molecular weight  No data available  
VOC Content (%)  No data available  
Liquid Density  No data available  

---

**Section 10: STABILITY AND REACTIVITY**

10.1. Reactivity

Reactivity  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.

10.2. Chemical stability

Stability  Stable under normal conditions.

Explosion data

- Sensitivity to Mechanical Impact  None.
- Sensitivity to Static Discharge  None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions  None under normal use.

10.4. Conditions to avoid

Conditions to avoid  None under normal use.

10.5. Incompatible materials

Incompatible materials  None under normal use.

10.6. Hazardous decomposition products

Hazardous decomposition products  None under normal use.

---

**Section 11: TOXICOLOGICAL INFORMATION**

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>Product/Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>myBaits Hyb N</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2 g/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><em>myBaits Beads</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sodium azide</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>27 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>
Information on likely routes of exposure:

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.

Product Information

- **Inhalation**: Specific test data for the substance or mixture is not available.
- **Eye contact**: Specific test data for the substance or mixture is not available.
- **Skin contact**: Specific test data for the substance or mixture is not available.
- **Ingestion**: Specific test data for the substance or mixture is not available.

Information on toxicological effects

**Symptoms**

Causes skin irritation. Causes serious eye damage.

**Numerical measures of toxicity**

- **Acute toxicity**: Fatal if swallowed. Harmful if inhaled. Harmful if in contact with skin.
- **Unknown acute toxicity**: None.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Skin corrosion/irritation**: Causes skin irritation.
- **Serious eye damage/eye irritation**: Causes eye damage.
- **Respiratory or skin sensitization**: No information available.
- **Germ cell mutagenicity**: No information available.
- **Carcinogenicity**: No information available.
- **Reproductive toxicity**: No information available.
- **STOT - single exposure**: May cause respiratory irritation. May cause damage to organs.
- **STOT - repeated exposure**: No information available.
- **Aspiration hazard**: No information available.

---

**Section 12: ECOLOGICAL INFORMATION**

12.1. Toxicity

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute LC50</th>
<th>Trophic level</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dihydrogenorthophosphate</td>
<td>186000 ug/L</td>
<td>Fish - Gambusia affinis - Adult</td>
<td>96 hours</td>
</tr>
<tr>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
<td>320 mg/l</td>
<td>Fish</td>
<td>96 hours</td>
</tr>
</tbody>
</table>
12.2. Persistence and degradability

Persistence and degradability  No information available.

12.3. Bioaccumulative potential

Bioaccumulation  No information available.

12.4. Mobility in soil

Mobility in soil  No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment  No information available.

12.6. Other adverse effects

Other adverse effects  No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products  Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Section 14: TRANSPORT INFORMATION

IMDG

| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Marine pollutant | Not applicable |
| 14.6 Special Provisions | None |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available |

RID

| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |

ADR

| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |
Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:
This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)
This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Listed</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Listed DSL</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Registered/Pre-registered/NLP</td>
</tr>
<tr>
<td>ENCS</td>
<td>Listed</td>
</tr>
<tr>
<td>IECSC</td>
<td>Listed</td>
</tr>
<tr>
<td>KECL</td>
<td>Listed</td>
</tr>
<tr>
<td>PICCS</td>
<td>Listed</td>
</tr>
<tr>
<td>AICS</td>
<td>Listed</td>
</tr>
<tr>
<td>NZICS</td>
<td>Listed</td>
</tr>
<tr>
<td>TCSI</td>
<td>Listed</td>
</tr>
</tbody>
</table>

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
- 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

15.2. Chemical safety assessment

Chemical Safety Report
No information available

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR

Canadian NPRI
Not Listed

WHIMIS (Canada)
Class D2B Toxic Material >1%: Skin/Eye Irritation reversible damage
Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H300 - Fatal if swallowed
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H371 - May cause damage to organs
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Revision Date 10-Sept-2020

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet