SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Olink® Focus Detection Kit

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Research use only
Uses advised against: Only for laboratory use

1.3 Details of the supplier of the safety data sheet
Olink Proteomics AB
Salagatan 16F
SE-753 30 Uppsala, SWEDEN
+46 18 444 39 70
www.olink.com
info@olink.com

1.4 Emergency telephone number
112 (In Sweden, ask for “Giftinformationscentralen”)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Does not meet the criteria for classification According to EG no 1272/2008 CLP.
See section 16 for explanations to hazard statements.

2.2 Label elements
According to EG no 1272/2008 CLP

Hazard pictograms: Not applicable
Signal words: Not applicable
Hazard statements: Not applicable
Precautionary statement: Not applicable
Supplemental Label elements: Not applicable

2.3 Other hazards
The product does not contain compounds classified PBT or vPvB.
The product does not contain compounds considered or suspected to have endocrine disrupting properties.
SECTION 3: Composition/information on ingredients

3.2 Mixtures
The Olink® Focus Detection Kit consists of nine (9) components:
- Negative Control (Art no 44001)
- Sample Diluent (Art no 44006)
- PEA Solution (Art no 84302)
- PEA Enzyme (Art no 84303)
- PCR Polymerase (Art no 84304)
- Detection Enzyme (Art no 84305)
- Primer Plate (Art no 84371)
- Detection Solution (Art no 84315)
- PEA Enhancer (Art no 84370)

Negative Control & Sample Diluent

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC no</th>
<th>Reg. no</th>
<th>CAS no</th>
<th>Conc. %</th>
<th>Pictogram</th>
<th>Hazard statement</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Chloroacetamide</td>
<td>201-174-2</td>
<td>01-2119958971-23-0001</td>
<td>79-07-2</td>
<td>&lt; 0.1%</td>
<td>GHS08 GHS06</td>
<td>H301 H317 H361f</td>
<td>Acute Tox. 3 Skin Sens. 1 Repr. 2</td>
</tr>
</tbody>
</table>

Detection Solution PEA Enhancer

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC no</th>
<th>Reg. no</th>
<th>CAS no</th>
<th>Conc. %</th>
<th>Pictogram</th>
<th>Hazard statement</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSA</td>
<td>232-936-2</td>
<td>Not available</td>
<td>9048-46-8</td>
<td>1</td>
<td>GHS07</td>
<td>H302 H335</td>
<td>Acute Tox. 4 STOT SE 3</td>
</tr>
</tbody>
</table>

PEA Enhancer

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC no</th>
<th>Reg. no</th>
<th>CAS no</th>
<th>Conc. %</th>
<th>Pictogram</th>
<th>Hazard statement</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO²</td>
<td>200-664-3</td>
<td>01-2119431362-50</td>
<td>67-68-5</td>
<td>100</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

All other components does not contain hazardous substances in concentrations that must be specified according to current legislation.

1) See section 16 for explanations to Hazard statements
2) The compound has an occupational exposure limit value – see section 8

SECTION 4: First aid measures

The information below is applicable to all components in the kit unless otherwise specified.

4.1 Description of first aid measures
General recommendations
Keep the person warm and calm. Do not give anything to eat or drink if the person is unconscious. In cases of doubt or when symptoms persist, seek medical attention. Show this safety data sheet to the doctor.

Inhalation
Fresh air.
Consult a doctor if feeling unwell.
**Skin contact**
Wash the skin with soap and water.

**Eye contact**
Rinse the eyes with lukewarm water.
Remove contact lenses.
Contact an eye doctor if symptoms arise and persist.

**Ingestion**
Rinse the mouth with water.

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

**Eye contact**
Eye exposure may cause a slight transient irritation.

**Skin contact**
Negative Control & Sample Diluent: May cause an allergic reaction.

4.3 **Indication of any immediate medical attention and special treatment needed**
No data available.

### SECTION 5: Firefighting measures

The information below is applicable to all components in the kit.

The product is not classified as flammable.

5.1 **Extinguishing media**
Choose extinguishing media dependent on what is on fire in the vicinity, CO2, dry chemicals, foam or water.

5.2 **Special hazards arising from the substance or mixture**
No known.

5.3 **Advice for firefighters**
If necessary, wear self-contained breathing apparatus for firefighting.

### SECTION 6: Accidental release measure

The information below is applicable to all components in the kit.

6.1 **Personal precautions, protective equipment and emergency procedures**
Wear protective gloves.
Avoid inhalation.

6.2 **Environmental precautions**
Prevent releases to enter sewer and watercourses.

6.3 **Methods and material for containment and cleaning up**
Spills should be collected with absorbing material (vermiculite, sand or similar) and put in a sealed container.
Clean the area with water.

6.4 **Reference to other sections**
See sections 8 and 13.
SECTION 7: Handling and storage

The information below is applicable to all components in the kit.

7.1 Precautions for safe handling
Do not eat, drink or smoke while using the product.
Wash hands after use.
Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibilities
See instructions manual for the product and store as directed by the product packaging.

7.3 Specific end use(s)
Only for laboratory use - Research use only

SECTION 8: Exposure controls/personal protection

The information below is applicable to all components in the kit.

8.1 Control parameters
Workplace exposure limits Sweden (AFS 2018:1)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Long-term exposure limit (8h) ppm / mg/m³</th>
<th>Short-term exposure limit (15 min) ppm / mg/m³</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>50 / 150</td>
<td>150 / 500</td>
<td>H = can easily penetrate the skin</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Personal protection
Respiratory protection – required if there is a risk that dust or fumes are generated.
Hand protection – wear protective gloves.
Eye protection – use safety glasses if there is a risk of splashing.
Skin protection – wear protective clothing.

Ensure access to eye wash.

Environmental exposure controls
See section 12.

SECTION 9: Physical and chemical properties

The information below is applicable to all components in the kit unless otherwise specified.

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odour</td>
<td>No information available</td>
</tr>
<tr>
<td>pH (at 20 °C)</td>
<td>PEA solution: 8.8 ± 0.05</td>
</tr>
<tr>
<td></td>
<td>Primer plate: 7.5</td>
</tr>
<tr>
<td></td>
<td>Detection solution: 7.35 ± 0.3</td>
</tr>
<tr>
<td></td>
<td>Other components: No information available.</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not flammable</td>
</tr>
</tbody>
</table>
### Flammability
Not flammable

### Boiling point
No information available

### Ignition temp
No information available

### Density (at 20°C)
No information available

### Viscosity
No information available

### Explosion limit
No information available

### Vapour pressure
No information available

### Decomposition temperature
No information available

### Solubility
No information available

### Partition coefficient
Not applicable

### Relative vapour density
No information available

### Particle characteristics
Not applicable

9.2 Other information
No information available.

---

**SECTION 10: Stability and reactivity**

The information below is applicable to all components in the kit.

10.1 Reactivity
Stable during recommended usage- and storing conditions.

10.2 Chemical stability
Stable during recommended usage- and storing conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
No data available.

10.5 Incompatible materials
No information available.

10.6 Hazardous decomposition products
No data available.

---

**SECTION 11: Toxicological information**

The information below is applicable to all components in the kit.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

*Mixtures*
The mixture has not been tested.
Likely routes of exposure – skin.

*Assessment based on ingredients.*

Acute toxicity inhalation/oral/dermal
No data available.
Skin corrosion/erosion
No data available.

Serious eye damage/irritation
No data available.

Respiratory or skin sensitization
Sample diluent & negative control
May cause an allergic reaction.
Other components
No data available.

Carcinogenicity
Does not contain substances classified as carcinogenic.

Germ cell mutagenicity
Does not contain substances classified as mutagenic.

Toxicity for reproduction
Sample diluent & negative control
Contains 2-Chloroacetamide which is suspected of damaging fertility.
Other components
No data available.

Specific target organ toxicity – single exposure
No data available.

Specific target organ toxicity – repeated exposure
No data available.

Aspiration hazard
No data available.

11.2 Information on other hazards
No data available.

SECTION 12: Ecological information
The information below is applicable to all components in the kit.

The product has not been tested.

12.1 Toxicity
Based on ingredients - the product is NOT classified toxic to the environment.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.
12.5 Results of PBT and vPvB assessment
The product does not contain compounds classified PBT or vPvB.

12.6 Endocrine disrupting properties
Not considered or suspected to have endocrine disrupting properties.

12.7 Other adverse effects
No data available.

SECTION 13: Disposal considerations
The information below is applicable to all components in the kit.

13.1 Waste treatment methods

*Discarded unused product*
Discarded unused product is NOT classified as hazardous waste according to EU Directive 2008/98/EC.

Observe federal, state and local environmental regulations. Contact a licensed professional waste disposal service.

*Packaging*
Should be disposed of in accordance with national and local regulations.

SECTION 14: Transport information
The information below is applicable to all components in the kit.

The product is NOT classified as dangerous goods according to ADR/RID/IMO/DGR.

14.1 UN number or ID number
Not applicable.

14.2 UN proper shipping name
Not applicable.

14.3 Transport hazard class(es)
Not applicable.

14.4 Packing group
Not applicable.

14.5 Environmental hazards
The product is not classified toxic for the environment.

14.6 Special precautions for user
None.

14.7 Maritime transport in bulk according to IMO instruments
The product is not transported in bulk.
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
ADR – European Agreement Concerning the International Carriage of Dangerous goods by Road.

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

Indication of changes
Notable changes in this safety data sheet are indicated with two vertical lines (||) in the left margin.

Explanations to hazard statements
H301 Toxic if swallowed
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H361f Suspected of damaging fertility.

Abbreviations
PBT: persistent, bioaccumulative and toxic
PBT/vPvB: persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative
vPvB: very persistent and very bioaccumulative