

# Safety Data Sheet

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

### 1.1 Product identifier

This Safety data sheet is valid for the following product: **Olink<sup>®</sup> Reveal - Incubation Plate and PCR additive kit (Art no 96200A); Olink<sup>®</sup> Reveal PCR Additive (Art no 89003).**

### 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  
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+46 18 444 39 70  
[www.olink.com](http://www.olink.com) [info@olink.com](mailto: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

None of the components in this product are considered hazardous according to EG no 1272/2008 CLP.

### 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 substances classified PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

#### The Olink® Reveal PCR Additive (Art no 89003):

| Substance                                 | EC no      | Reg. no                  | CAS no  | Conc. % | Pictogram | Hazard statement | Category |
|---|------------|--------------------------|---------|---------|-----------|------------------|----------|
| Dimethyl sulfoxide <sup>1</sup><br>(DMSO) | 200- 664-3 | 01-<br>2119431362-<br>50 | 67-68-5 | 100     |           | -                | -        |

1) The compound has an Occupational limit value. See section 8

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General recommendations

Keep the person warm and calm. Don't 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.

#### Eye contact

Flush thoroughly with water or physiological salt water. Remember to remove contact lenses. If irritation persists, seek medical advice.

#### Skin Contact

Remove contaminated clothing and wash affected skin with soap and water. Seek medical attention if irritation develops.

#### Inhalation

If inhaled, remove victim to fresh air. If difficult breathing, support breathing, give oxygen and obtain medical attention. If not breathing, give artificial respiration.

#### Ingestion

If swallowed, call a physician immediately. Do not induce vomiting unless directed by medical personnel. Do not give anything to drink unless directed by medical personnel. Never give anything by mouth to an unconscious person. Notify medical personnel and supervisor.

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

See section 11.

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

Medical conditions aggravated by exposure: None known or reported.  
Treat symptomatically and supportively.

## SECTION 5: Firefighting measures

The products are not classified as flammable.

### 5.1 Extinguishing media

Choose extinguishing media dependent on what is on fire in the vicinity, CO<sub>2</sub>, dry chemicals, foam

or water.

### 5.2 Special hazards arising from the substance or mixture

None known.

### 5.3 Advice for firefighters

If necessary, wear self-contained breathing apparatus for firefighting.

## SECTION 6: Accidental release measures

### 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. Thoroughly clean the area with an appropriate solvent.

### 6.4 Reference to other sections

See sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle with care to avoid microbial contamination. 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

Keep container tightly closed and ensure it is labelled appropriately.

See further instructions in the User 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

### 8.1 Control parameters

Workplace exposure limits Sweden (AFS 2023:14) Gränsvärden för luftvägsexponering i arbetsmiljön.

| Substance                 | Long-term exposure limit (8h)<br>ppm / mg/m <sup>3</sup> | Short-term exposure limit (15 min)<br>ppm / mg/m <sup>3</sup> | Note  |
|---------------------------|--|---|---|
| Dimethyl sulfoxide (DMSO) | 150/ 50  | 500/ 150  | H = May easily penetrate the skin<br>V = Indicative short-term limit value. |

## 8.2 Exposure controls

### Personal protection

*No special equipment is required in intended conditions of normal use.*

|                         |   |
|-------------------------|---|
| Respiratory protection: | required if there is a risk that 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.                             |
| Work practices:         | ensure access to eye wash.                            |

Other protective measures - Wash hands in the event of contact with material, especially before eating, drinking or smoking. Protective equipment is not to be worn outside the work area (e.g., in common areas or out-of-doors).

### Environmental exposure controls

See section 12.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                   |                          |
|-------------------|--------------------------|
| Appearance        | Liquid                   |
| Color             | Clear, Colorless         |
| Odor              | Odorless                 |
| pH (at 20 °C)     | No information available |
| Melting point     | No information available |
| Flash point       | No information available |
| 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 |
| Vapor pressure    | No information available |

|                                  |                          |
|----------------------------------|--------------------------|
| <b>Decomposition temperature</b> | No information available |
|----------------------------------|--------------------------|

|                   |                          |
|-------------------|--------------------------|
| <b>Solubility</b> | No information available |
|-------------------|--------------------------|

|                              |                |
|------------------------------|----------------|
| <b>Partition coefficient</b> | Not applicable |
|------------------------------|----------------|

|                               |                          |
|-------------------------------|--------------------------|
| <b>Relative vapor density</b> | No information available |
|-------------------------------|--------------------------|

|                                 |                |
|---------------------------------|----------------|
| <b>Particle characteristics</b> | Not applicable |
|---------------------------------|----------------|

## 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

### 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

### 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

Based on the available data, the classification criteria cannot be considered to be met.

#### Skin corrosion/erosion

Based on the available data, the classification criteria cannot be considered to be met.

#### Serious eye damage/irritation

Based on the available data, the classification criteria cannot be considered to be met.

#### Skin sensitization

Based on the available data, the classification criteria cannot be considered to be met.

#### **Respiratory sensitization**

Based on the available data, the classification criteria cannot be considered to be met.

#### **Carcinogenicity**

Based on the available data, the classification criteria cannot be considered to be met.

#### **Toxicity for reproduction**

Based on the available data, the classification criteria cannot be considered to be met

#### **Specific target organ toxicity – single exposure**

Based on the available data, the classification criteria cannot be considered to be met.

#### **Specific target organ toxicity – repeated exposure**

Based on the available data, the classification criteria cannot be considered to be met.

#### **Aspiration hazard**

Based on the available data, the classification criteria cannot be considered to be met.

### **11.2 Information on other hazards**

#### **Endocrine disrupting properties**

The product contains no substances deemed to be endocrine disrupting to humans according to the Commission's criteria delegated regulation (EU) 2017/2100 or Commission regulation (EU) 2018/605.

#### **Other**

No data available.

## **SECTION 12: Ecological information**

### **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 substances classified PBT or vPvB.

### **12.6 Endocrine disrupting properties**

The product contains no substances deemed to be endocrine disruptors according to the Commission's criteria delegated regulation (EU) 2017/2100 or Commission regulation (EU) 2018/605.

## 12.7 Other adverse effects.

No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

The product is not covered by the regulations on hazardous waste.

### Discarded unused product

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

Suggested EWC code for consideration: 07 05 99

### Packaging

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

See further regulations in Avfallsförordningen (SFS 2020:614) with subsequent amendments.

## SECTION 14: Transport information

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 harmful to aquatic life with long lasting effects.

### 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

#### Legislation

ADR – European Agreement Concerning the International Carriage of Dangerous goods by Road.  
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of  
Chemicals (REACH)

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP) DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives Avfallsförordningen (SFS 2020:614) with subsequent amendments. (AFS 2023:14) Gränsvärden för luftvägsexponering i arbetsmiljön.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

### *Abbreviations*

PBT: persistent, bioaccumulative and toxic

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

vPvB: very persistent and very bioaccumulative

### Key literature

This SDS is based on information from the manufacturer and databases of hazardous substances (Chemical Substances)

### Classification and procedure used to derive the classification for mixtures

The classification of the product is based on classification of the components according to REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

### Advice on training

See section 8.

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