

# Safety Data Sheet

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

### 1.1 Product identifier

98005 Olink® Explore HT Sample Prep

### 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](http://www.olink.com)  
[info@olink.com](mailto:info@olink.com)

### 1.4 Emergency telephone number

+46 18 444 39 70 (office hours) Olink Proteomics

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

*EU Regulation 1272/2008*

Not classified

See section 16 for explanations to hazard statements.

### 2.2 Label elements

*EU Regulation 1272/2008*

|                         |      |
|-------------------------|------|
| Hazard pictogram        | none |
| Signal word             | none |
| Hazard statements       | none |
| Precautionary statement | none |

### **Supplemental Label elements**

Sample diluent and Negative control

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

### 2.3 Other hazards

The product does not contain compounds with endocrine disrupting properties.  
The product does not contain compounds classified PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

98005 Olink<sup>®</sup> Explore HT Sample Prep consists of seven (7) components:

- PCR Solution (Art no 88001)
- Index plate A (Art no 88014)
- Index plate B (Art no 88015)
- PCR Enzyme A (Art no 88006)
- PCR Enzyme B (Art no 88007)
- Sample diluent (Art no 84032)
- Negative control (Art no 87009)

### Sample Diluent (Art no 84032) & Negative control (Art no 87009)

| Compound  | EC no     | Reg. no                   | CAS no     | Conc. % | Pictogram | Hazard statement <sup>1</sup> | Category                |
|---|-----------|---------------------------|------------|---------|-----------|-------------------------------|-------------------------|
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 611-341-5 | n.a.                      | 55965-84-9 | <0.0015 | GHS05     | H301                          | Acute Tox. 3            |
|   |           |                           |            |         | GHS06     | H310                          | Acute Tox. 2            |
|   |           |                           |            |         | GHS09     | H314                          | Skin Corr. 1C           |
|   |           |                           |            |         | Danger    | H317                          | Skin Sens. 1A           |
|   |           |                           |            |         | H318      |                               | Eye Dam. 1              |
|   |           |                           |            |         | H330      |                               | Acute Tox. 2            |
|   |           |                           |            |         | H400      |                               | Aquatic Acute 1 (M=100) |
| H410  |           | Aquatic Chronic 1 (M=100) |            |         |           |                               |                         |

1) See section 16 for explanations to Hazard statements

## SECTION 4: First aid measures

Below information is applicable to all reagents in the kit if nothing else is stated

### 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.

#### **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

### ***Skin contact***

Sample diluent and Negative control may produce an allergic reaction.

### ***Eye contact***

Eye exposure may cause a slight transient irritation.

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

No available data.

## **SECTION 5: Firefighting measures**

**Below information is applicable to all reagents in the kit**

The product is not 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**

No known.

### **5.3 Advice for firefighters**

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

## **SECTION 6: Accidental release measures**

**Below information is applicable to all reagents in the kit**

### **6.1 Personal precautions, protective equipment, and emergency procedures**

Wear protective gloves.

### **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**

**Below information is applicable to all reagents in the kit**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes.

Do not eat or drink when using the product.

Wash hands after use.

See instructions from the manufacturer.

## 7.2 Conditions for safe storage, including any incompatibilities

See instructions from the manufacturer.

## 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 2018:1)

| Compound | 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            |
|----------|--|---|-----------------|
| -        | -  | -   | no limit values |

#### 8.2 Exposure controls

##### *Personal protection*

Respiratory protection – not normally required.

Protective gloves – wear protective gloves.

Facial protection – not normally required. Use protective goggles if there is a risk of splashing.

Protective clothing – not normally required.

Access to eye wash.

Wash hands before breaks and at the end of workday.

##### *Environmental exposure controls*

See section 13.

### SECTION 9: Physical and chemical properties

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

|                   |   |
|-------------------|---|
| Appearance        | Clear liquids   |
| Colour            | Colourless  |
| Odour             | No information  |
| pH (at 20 °C)     | PCR Solution: 8.8 ± 0.1<br>Index plate A and B: 7.5<br>Sample diluent: 7.35 ± 0.3<br>Negative control: 7.35 ± 0.3 |
| Melting point     | No information  |
| Flash point       | Not flammable   |
| Flammability      | Not flammable   |
| Boiling point     | No information  |
| Ignition temp     | No information  |
| Density (at 20°C) | No information  |
| Viscosity         | No information  |
| Explosion limit   | No information  |
| Vapour pressure   | No information  |

#### 9.2 Other information

No information.

## SECTION 10: Stability and reactivity

Below information is applicable to all reagents in the kit

### 10.1 Reactivity

Not liable to react during normal handling- and storage conditions.

### 10.2 Chemical stability

Stable during normal handling- and storage conditions.

### 10.3 Possibility of hazardous reactions

Stable during normal handling- and storage conditions.

### 10.4 Conditions to avoid

No known.

### 10.5 Incompatible materials

No known.

### 10.6 Hazardous decomposition products

No known.

## SECTION 11: Toxicological information

Below information is applicable to all reagents in the kit if nothing else is stated

### 11.1 Information on toxicological effects

#### *Mixtures*

The mixture has not been tested.

Likely routes of exposure – skin.

#### Assessment based on ingredients

|              | Acute effects                           | Chronic effects |
|--------------|---|-----------------|
| Inhalation   | No known                                | No known        |
| Skin contact | No known                                | No known        |
| Eye contact  | May cause a slight transient irritation | No known        |
| Ingestion    | No known                                | No known        |

#### *Sensitisation*

Sample diluent and Negative control: May produce an allergic skin reaction.

#### *Repeated dose toxicity*

Not expected to be toxic upon repeated exposure.

#### *Carcinogenicity*

Not expected to be carcinogenic.

#### *Mutagenicity*

Not expected to be mutagenic.

#### *Toxicity for reproduction*

Not expected to be toxic for reproduction.

## 11.2 Information on other hazards

### *Endocrine disrupting properties*

The product does not contain compounds considered to have endocrine disrupting properties.

### *Interactive effects*

No known.

## SECTION 12: Ecological information

Below information is applicable to all reagents in the kit

### 12.1 Toxicity

The product has not been tested.

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

### 12.2 Persistence and degradability

No information.

### 12.3 Bioaccumulative potential

No information.

### 12.4 Mobility in soil

No informationn

### 12.5 Results of PBT and vPvB assessment

No information.

### 12.6 Endocrine disrupting properties

The product does not contain compounds considered to have endocrine disrupting properties.

### 12.7 Other adverse effects

No known.

## SECTION 13: Disposal considerations

Below information is applicable to all reagents 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

Below information is applicable to all reagents in the kit

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

### ADR/RID (road and railroad)

UN number

UN proper shipping name

Transport hazard class

Packing group

Classification code

Tunnel restriction code

Label

Limited quantities (LQ)

### IMO (maritime)

UN number

UN proper shipping name

Transport hazard class

Packing group

Flash point

EmS

Marine pollutant

### ICAO (air)

UN number

UN proper shipping name

Transport hazard class

Packing group

ICAO labels

### Environmental hazards

The product is not classified toxic for the environment

### Special Precautions

None in particular.

### Bulk transport according to Annex II, Marpol 73/78 and IBC code

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, Authorisation 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

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives  
AFS 2018:1 - Hygieniska gränsvärden – Occupational limit values in Sweden.

## 15.2 Chemical safety assessment

Chemical Safety Report is not available for the product.

## SECTION 16: Other information

### 16.1 Indication of changes

No information.

### 16.2 Abbreviations

PBT Persistent, Bioaccumulative, Toxic  
vPvB very Persistent, very Bioaccumulative

### 16.3 Key literature

This Safety Data Sheet 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

### 16.4 Relevant hazard statements in section 3

H301 Toxic if swallowed  
H310 Fatal in contact with skin  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage  
H317 May cause an allergic skin reaction  
H330 Fatal if inhaled  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects

### 16.5 Advice on training

See section 8.

### 16.6 Other

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