

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 products:

Olink® Target 48 Control Kit

Observe distinctions between different Olink Target 48 panels throughout the safety data sheet.

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 contain substances classified as hazardous 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 substances considered or suspected to have endocrine disrupting properties.

The product does not contain substances classified PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

The Olink® Target 48 Cytokine Control Kit consists of two (2) components:

- Calibrator
- Sample Control

Substance	EC no	Reg. no	CAS no	Conc. %	Pictogram	Hazard statement ¹	Category
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Contains: Human plasma

|| The Olink® Target 48 Immune Surveillance and Olink® Target 48 Mouse Cytokine Control Kit consists of two (2) components:

- Calibrator
- Sample Control

Substance	EC no	Reg. no	CAS no	Conc. %	Pictogram	Hazard statement ¹	Category
2-Chloroacetamide	201-174-2	01-2119958971-23-0001	79-07-2	< 0.1 %	GHS08 GHS06	H301 H317 H361f	Acute Tox. 3 Skin Sens. 1 Repr. 2

1) See section 16 for explanations to Hazard statements

SECTION 4: First aid measures

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

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.

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

- || Target 48 Immune Surveillance and Mouse Cytokine Control Kit
May cause an allergic skin reaction.
- Target 48 Cytokine Control Kit
No data available.

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 measures

The information below is applicable to all components 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

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

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

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

8.1 Control parameters

Workplace exposure limits Sweden (AFS 2018:1)

Substance	Long-term exposure limit (8h) ppm / mg/m ³	Short-term exposure limit (15 min) ppm / mg/m ³	Note
Not applicable	Not applicable	Not applicable	Not applicable

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.

9.1 Information on basic physical and chemical properties

Appearance	No information available
Colour	No information available
Odour	No information available
pH (at 20 °C)	No information available
Melting point	No information available
Flash point	Not flammable
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
|| Olink® Target 48 Immune Surveillance and Mouse Cytokine
Contains 2-Chloroacetamide which may cause an allergic skin reaction.
Olink® Target 48 Cytokine Control Kit
Does not contain substances classified as sensitizing.

Carcinogenicity
Does not contain substances classified as carcinogenic.
Germ cell mutagenicity
Does not contain substances classified as mutagenic.

Toxicity for reproduction
|| Olink® Target 48 Immune Surveillance and Mouse Cytokine Control Kit
Contains 2-Chloroacetamide which is suspected of damaging fertility.
Olink® Target 48 Cytokine Control Kit
Does not contain substances classified as toxic for reproduction.

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 substances classified PBT or vPvB.

12.6 Endocrine disrupting properties

Does not contain substances with endocrine disrupting or suspected 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

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.

See further regulations in EU Directive 2008/98/EC.

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 as 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.
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 (CLP)
DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

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.

H317 May cause an allergic skin reaction.

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