

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[®] Reveal - Incubation Plate and PCR additive kit (Art no 96200A); Olink[®] Reveal Incubation Plate (Art no 89002)**

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

According to EG no 1272/2008 CLP

Skin Sens. 1; H317

Aquatic Chronic 3; H412

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

2.2 Label elements

According to EG no 1272/2008 CLP

Hazard pictograms: GHS06



Signal words: Warning

Hazard statements:

May cause an allergic skin reaction (H317)
 Harmful to aquatic life with long lasting effects (H412)

Precautionary statement:

Prevention

- P261 Avoid breathing dust/vapors.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362 + P264 Take off contaminated clothing and wash it before reuse.

Disposal

P501 Dispose of contents/container to in accordance with local/regional/ national/international regulations.

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

3.2 Mixtures

Olink® Reveal Incubation Plate (Art no 89002):

Substance	EC no	Reg. no	CAS no	Conc. %	Pictogram	Hazard statement	Category
Triton-X100 ¹	618-344-0		9002-93-1	0.318		H302	Acute Tox. 4
						H315	Skin Irrit. 2
						H318	Eye Dam. 1
						H400	Aquatic Acute 1 (M=10)
						H410	Aquatic Chronic 1
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	611-341-5		55965-84-9	<0.09			Acute Tox. 3
						H301	Acute Tox. 2
						H310	Skin Corr. 1C
						H314	Skin Sens. 1A
						H317	(C ≥ 0.0015%)
							Eye Dam. 1
						H318	Acute Tox. 2
						H330	Aquatic Acute 1 (M=100)
H400	(M=100)						
	Aquatic Chronic 1 (M=100)						
	H410	Aquatic Chronic 1 (M=100)					

1) Triton X-100 (CAS No 9002-93-1) is listed in Reach (1907/2006) Annex XIV due to endocrine disrupting properties. See also Section 15
 2) See section 16 for full text of hazard statements.

SECTION 4: First aid measures

4.1 Description of first aid measures

General recommendations

First aid personnel providing treatment to a patient exposed to this solution should observe the following precautions for their own personal protection:

- Avoid contact with contaminated skin, clothing, and equipment by wearing protective gloves to prevent contact with skin.
- Wear safety goggles as a minimum level of eye protection to prevent splashes of solution entering the eye.
- Avoid inhalation of fumes or mist during rescue in a contaminated area by wearing suitable respiratory protection; suitable protection is an air supplied breathing apparatus or positive pressure self-contained breathing apparatus.

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 difficulty breathing, support breathing, give oxygen and obtain medical attention. If not breathing, give artificial respiration.

Ingestion

If ingested, do NOT induce vomiting. If conscious and alert, rinse mouth, drink plenty of water, and seek medical advice.

Information

Show this Safety Data Sheet to a physician or emergency ward. Note to physician: Treat symptomatically.

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

No data available.

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, CO₂, 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. Clean the area with water.

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) ppm / mg/m ³	Short-term exposure limit (15 min) ppm / mg/m ³	Note
-	-	-	-

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 dust or fumes

Hand protection:
Eye protection:
Skin protection:
Work practices:

are generated.
wear protective gloves.
use safety glasses if there is a risk of splashing.
wear protective clothing.
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	Solid
Color	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
Decomposition temperature	No information available
Solubility	No information available
Partition coefficient	Not applicable

Relative vapor density No information available

Particle characteristics 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

May cause an allergic skin reaction.

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**

Harmful to aquatic life with long lasting effects.

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 products contain Triton X-100 (CAS No 9002-93-1), a substance of very high concern, due to its endocrine disrupting properties which cause probable serious effects in the environment. Triton X-100 is listed in Annex XIV in Regulation (EC) No. 1907/2006 (REACH). For further information, see section 15.

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**

Triton X-100 (CAS No 9002-93-1) is listed in REACH Regulation (1907/2006) Annex XIV SUBSTANCES SUBJECT TO AUTHORISATION (entry 42). Used in scientific research and development the compound is exempted from authorization.

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.

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

Relevant hazard statements in section 3

H301 Toxic if swallowed

H302 Harmful if swallowed

H310 Fatal in contact with skin

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H330 Fatal if inhaled

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Advice on training

See section 8.

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Salagatan 16F, SE-753 30 Uppsala, Sweden
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