

**Product name:** IMT assay (anti-CD9) tethering kit  
**Part no.:** 8100014

This product is composed of the following:

### Kit Components, Reagents

| Box/Module Part number | Box/Module Name | Kit Component Part Number | Kit Component Name           | Qty Units | CLP |
|------------------------|-----------------|---------------------------|------------------------------|-----------|-----|
| -                      | -               | 8710239                   | Cytolysis Reagent            | 1         | Yes |
| -                      | -               | 8710259                   | Tethering Reagent (anti-CD9) | 1         | Yes |
| -                      | -               | 871B617                   | 10X Tethering Buffer         | 1         | No  |

Article SDSs, if maintained, are available on [www.agilent.com](http://www.agilent.com). We recommend using the article product code when searching. SDSs are only available for a limited set of countries.

### Transport Information for the Kit:

**Dangerous Goods classification for:** 8100014

| ADR/RID                                                                                                  | IMDG                                                                                                     | IATA                                                                                                     |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyoxyethylene octyl phenyl ether), 9, III | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyoxyethylene octyl phenyl ether), 9, III | UN3082, Environmentally hazardous substance, liquid, n.o.s. (Polyoxyethylene octyl phenyl ether), 9, III |

### Table of contents

| Kit Component Name                | Page |
|-----------------------------------|------|
| Tethering Reagent (anti-CD9)..... | 2    |
| Cytolysis Reagent.....            | 15   |
| 10X Tethering Buffer.....         | 29   |

SDSs for each individual Kit component follow this cover sheet.

# SAFETY DATA SHEET

Tethering Reagent (anti-CD9)

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

### 1.1 Product identifier

**Product name** : Tethering Reagent (anti-CD9)  
**Part no.** : 8710259

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : For research use only.  
0.09 ml  
**Uses advised against** : Not for use in diagnostic procedures (RUO).

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +353 1 901 4670

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

H412 LONG-TERM (CHRONIC) AQUATIC HAZARD Category 3

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Signal word** : No signal word.

**Hazard statements** : H412 - Harmful to aquatic life with long lasting effects.

#### Precautionary statements

**Prevention** : P273 - Avoid release to the environment.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Not applicable.

**Tethering Reagent (anti-CD9)**

**SECTION 2: Hazards identification**

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Special packaging requirements**

**Tactile warning of danger** : Not applicable.

**2.3 Other hazards**

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** : None known.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures** : Mixture

| Product/ingredient name | Identifiers                                             | %  | Classification                                                                                                                                                  | Specific Conc. Limits, M-factors and ATEs                 | Type    |
|-------------------------|---------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------|
| sodium azide            | EC: 247-852-1<br>CAS: 26628-22-8<br>Index: 011-004-00-7 | ≤1 | Acute Tox. 2, H300<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>EUH032<br><b>See Section 16 for the full text of the H statements declared above.</b> | ATE [Oral] = 27 mg/kg<br>M [Acute] = 1<br>M [Chronic] = 1 | [1] [2] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

**Type**  
[1] Substance classified with a health or environmental hazard  
[2] Substance with a workplace exposure limit  
Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

**Tethering Reagent (anti-CD9)**

## SECTION 4: First aid measures

### Over-exposure signs/symptoms

|                     |                     |
|---------------------|---------------------|
| <b>Eye contact</b>  | : No specific data. |
| <b>Inhalation</b>   | : No specific data. |
| <b>Skin contact</b> | : No specific data. |
| <b>Ingestion</b>    | : No specific data. |

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

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Notes to physician</b>  | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| <b>Specific treatments</b> | : No specific treatment.                                                                                                    |

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | : Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : None known.                                                   |

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

|                                              |                                                                                                                                                                                                                                                                                             |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazards from the substance or mixture</b> | : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| <b>Hazardous combustion products</b>         | : No specific data.                                                                                                                                                                                                                                                                         |

### 5.3 Advice for firefighters

|                                                       |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special precautions for fire-fighters</b>          | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                                                                                                                                                             |
| <b>Special protective equipment for fire-fighters</b> | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

## SECTION 6: Accidental release measures

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

|                                    |                                                                                                                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>For non-emergency personnel</b> | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| <b>For emergency responders</b>    | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".                                                               |

### 6.2 Environmental precautions

|                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 6.3 Methods and material for containment and cleaning up

Tethering Reagent (anti-CD9)

SECTION 6: Accidental release measures

- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid breathing vapour or mist. Avoid release to the environment. Avoid contact with eyes, skin and clothing. Do not ingest. Empty containers retain product residue and can be hazardous. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
- 7.3 Specific end use(s)**
- Recommendations** : Industrial applications, Professional applications.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
- Occupational exposure limits**
- | Product/ingredient name | Exposure limit values                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sodium azide            | <b>NAOSH (Ireland, 4/2024)</b> Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values<br>OELV 8 hours: 0.1 mg/m³ (as NaN3).<br>OELV 15 minutes: 0.3 mg/m³ (as NaN3).<br><b>EU OEL (Europe, 1/2022)</b> Absorbed through skin.<br>TWA 8 hours: 0.1 mg/m³.<br>STEL 15 minutes: 0.3 mg/m³. |

Biological exposure indices

No exposure indices known.

**Tethering Reagent (anti-CD9)****SECTION 8: Exposure controls/personal protection**

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs****Product/ingredient name****Result**

sodium azide

|                                                    |                         |
|----------------------------------------------------|-------------------------|
| DNEL - General population - Long term - Oral       | 50 µg/kg bw/day         |
| DNEL - General population - Long term - Dermal     | 50 µg/kg bw/day         |
| DNEL - General population - Long term - Inhalation | 87 µg/m <sup>3</sup>    |
| DNEL - Workers - Long term - Dermal                | 140 µg/kg bw/day        |
| DNEL - Workers - Long term - Inhalation            | 0.493 mg/m <sup>3</sup> |

**PNECs**

Not available.

**8.2 Exposure controls**

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Tethering Reagent (anti-CD9)

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

| Physical state                                           | : Liquid.                                                                                                                                                                                                                                                                                                                                         |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|-------------------------|---------|-------------------------|--|--|-------|-----|--------|-------|-----|--------|-------|------|-----|---|--------|------|---|
| Colour                                                   | : Colourless.                                                                                                                                                                                                                                                                                                                                     |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Odour                                                    | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Odour threshold                                          | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Melting point/freezing point                             | : 0°C                                                                                                                                                                                                                                                                                                                                             |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Boiling point or initial boiling point and boiling range | : 100°C                                                                                                                                                                                                                                                                                                                                           |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Flammability                                             | : Not applicable.                                                                                                                                                                                                                                                                                                                                 |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Lower and upper explosion limit/flammability limit       | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Flash point                                              | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Auto-ignition temperature                                | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Decomposition temperature                                | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| pH                                                       | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Viscosity                                                | : Dynamic (room temperature): Not available.<br>Kinematic (room temperature): Not available.<br>Kinematic (40°C): Not available.                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Solubility                                               | : <table><tr><th>Media</th><th>Result</th></tr><tr><td>water</td><td>Soluble</td></tr></table>                                                                                                                                                                                                                                                    | Media           | Result                  | water                   | Soluble |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Media                                                    | Result                                                                                                                                                                                                                                                                                                                                            |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| water                                                    | Soluble                                                                                                                                                                                                                                                                                                                                           |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Partition coefficient: n-octanol/water                   | : Not applicable.                                                                                                                                                                                                                                                                                                                                 |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Vapour pressure                                          | : <table><tr><th rowspan="2">Ingredient name</th><th colspan="3">Vapour Pressure at 20°C</th><th colspan="3">Vapour pressure at 50°C</th></tr><tr><th>mm Hg</th><th>kPa</th><th>Method</th><th>mm Hg</th><th>kPa</th><th>Method</th></tr><tr><td>water</td><td>17.5</td><td>2.3</td><td>-</td><td>92.258</td><td>12.3</td><td>-</td></tr></table> | Ingredient name | Vapour Pressure at 20°C |                         |         | Vapour pressure at 50°C |  |  | mm Hg | kPa | Method | mm Hg | kPa | Method | water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| Ingredient name                                          | Vapour Pressure at 20°C                                                                                                                                                                                                                                                                                                                           |                 |                         | Vapour pressure at 50°C |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
|                                                          | mm Hg                                                                                                                                                                                                                                                                                                                                             | kPa             | Method                  | mm Hg                   | kPa     | Method                  |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| water                                                    | 17.5                                                                                                                                                                                                                                                                                                                                              | 2.3             | -                       | 92.258                  | 12.3    | -                       |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Relative density                                         | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Relative vapour density                                  | : Not available.                                                                                                                                                                                                                                                                                                                                  |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| <u>Particle characteristics</u>                          |                                                                                                                                                                                                                                                                                                                                                   |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |
| Median particle size                                     | : Not applicable.                                                                                                                                                                                                                                                                                                                                 |                 |                         |                         |         |                         |  |  |       |     |        |       |     |        |       |      |     |   |        |      |   |

9.2 Other information

9.2.1 Information with regard to physical hazard classes

|                      |                  |
|----------------------|------------------|
| Explosive properties | : Not available. |
| Oxidising properties | : Not available. |

9.2.2 Other safety characteristics

|                                       |                  |
|---------------------------------------|------------------|
| Miscible with water                   | : Yes.           |
| Evaporation rate                      | : Not available. |
| Physical/chemical properties comments | : Not available. |

Tethering Reagent (anti-CD9)

SECTION 10: Stability and reactivity

- 10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability : The product is stable.
- 10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid : No specific data.
- 10.5 Incompatible materials : May react or be incompatible with oxidising materials.
- 10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| <u>Acute toxicity</u>        |                                                        |
| Product/ingredient name      | Result                                                 |
| sodium azide                 | Rat - Oral - LD50                                      |
|                              | 27 mg/kg                                               |
|                              | Rat - Dermal - LD50                                    |
|                              | 50 mg/kg                                               |
|                              | Rabbit - Dermal - LD50                                 |
|                              | 20 mg/kg                                               |
|                              | Rat - Male, Female - Inhalation - LC50 Dusts and mists |
|                              | 0.054 to 0.52 mg/l [4 hours]                           |
| Conclusion/Summary [Product] | : Not available.                                       |

Acute toxicity estimates

| Product/ingredient name      | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| Tethering Reagent (anti-CD9) | 3023.2       | N/A            | N/A                      | N/A                         | N/A                                 |
| sodium azide                 | 27           | N/A            | N/A                      | N/A                         | N/A                                 |

Skin corrosion/irritation

|                              |                  |
|------------------------------|------------------|
| Conclusion/Summary [Product] | : Not available. |
|------------------------------|------------------|

Serious eye damage/eye irritation

|                              |                  |
|------------------------------|------------------|
| Conclusion/Summary [Product] | : Not available. |
|------------------------------|------------------|

Respiratory corrosion/irritation

|                              |                  |
|------------------------------|------------------|
| Conclusion/Summary [Product] | : Not available. |
|------------------------------|------------------|

Respiratory or skin sensitization

|                              |                  |
|------------------------------|------------------|
| Skin                         |                  |
| Conclusion/Summary [Product] | : Not available. |
| Respiratory                  |                  |



**Tethering Reagent (anti-CD9)****SECTION 11: Toxicological information**

**Conclusion/Summary** : Not available.  
**[Product]**

**Germ cell mutagenicity**

**Conclusion/Summary** : Not available.  
**[Product]**

**Carcinogenicity**

**Conclusion/Summary** : Not available.  
**[Product]**

**Reproductive toxicity**

**Conclusion/Summary** : Not available.  
**[Product]**

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

**Conclusion/Summary** : Not available.  
**[Product]**  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.

**Tethering Reagent (anti-CD9)**

**SECTION 11: Toxicological information**

**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

**SECTION 12: Ecological information**

**12.1 Toxicity**

| Product/ingredient name             | Result                        |                       |
|-------------------------------------|-------------------------------|-----------------------|
| sodium azide                        | Acute - EC50 - Fresh water    | 4.2 mg/l [48 hours]   |
|                                     | Acute - LC50 - Fresh water    | 0.68 mg/l [96 hours]  |
|                                     | Chronic - NOEC - Marine water | 5600 µg/l [96 hours]  |
|                                     | Acute - EC50 - Fresh water    | 0.348 mg/l [96 hours] |
| <b>Conclusion/Summary [Product]</b> | : Not available.              |                       |

**12.2 Persistence and degradability**

Not available.  
**Conclusion/Summary [Product]** : Not available.

**12.3 Bioaccumulative potential**

Not available.

**12.4 Mobility in soil**

**Soil/water partition coefficient**  
Not available.

**Results of PMT and vPvM assessment**

| Product/ingredient name | PMT | P  | M  | T  | vPvM | vP | vM |
|-------------------------|-----|----|----|----|------|----|----|
| sodium azide            | No  | No | No | No | No   | No | No |

**Mobility** : Not available.  
**Conclusion/Summary** : The product does not meet the criteria to be considered as a PMT or vPvM.

**12.5 Results of PBT and vPvB assessment**

**Regulation (EC) No. 1907/2006 [REACH]**

| Product/ingredient name | PBT | P  | B  | T  | vPvB | vP | vB |
|-------------------------|-----|----|----|----|------|----|----|
| sodium azide            | No  | No | No | No | No   | No | No |

**Regulation (EC) No. 1272/2008 [CLP]**

| Product/ingredient name | PBT | P  | B  | T  | vPvB | vP | vB |
|-------------------------|-----|----|----|----|------|----|----|
| sodium azide            | No  | No | No | No | No   | No | No |

**Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP]** : The product does not meet the criteria to be considered as a PBT or vPvB.

**12.6 Endocrine disrupting properties**

Tethering Reagent (anti-CD9)

SECTION 12: Ecological information

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

**Product**

**Methods of disposal** : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. The generation of waste should be avoided or minimised wherever possible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

|                                 | ADR/RID        | IMDG           | IATA           |
|---------------------------------|----------------|----------------|----------------|
| 14.1 UN number or ID number     | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name    | -              | -              | -              |
| 14.3 Transport hazard class(es) | -              | -              | -              |
| 14.4 Packing group              | -              | -              | -              |
| 14.5 Environmental hazards      | No.            | No.            | No.            |

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

Tethering Reagent (anti-CD9)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV  
Substances of very high concern

None of the components are listed.  
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product / Ingredient name    | Identifiers | Designation [Usage] |
|------------------------------|-------------|---------------------|
| Tethering Reagent (anti-CD9) | -           | 3                   |

Labelling : Not applicable.

Other EU regulations

Ozone depleting substances (EU 2024/590)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

|                         |                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------|
| Australia               | : Not determined.                                                                                           |
| Canada                  | : Not determined.                                                                                           |
| China                   | : All components are listed or exempted.                                                                    |
| Eurasian Economic Union | : Russian Federation inventory: Not determined.                                                             |
| Japan                   | : Japan inventory (CSCL): Not determined.<br>Japan inventory (ISHL): All components are listed or exempted. |
| New Zealand             | : Not determined.                                                                                           |
| Philippines             | : Not determined.                                                                                           |
| Republic of Korea       | : Not determined.                                                                                           |
| Taiwan                  | : All components are listed or exempted.                                                                    |
| Thailand                | : Not determined.                                                                                           |
| Turkey                  | : Not determined.                                                                                           |

*Tethering Reagent (anti-CD9)*

**SECTION 15: Regulatory information**

|                                 |                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------|
| United States                   | : All components are active or exempted.                                                          |
| Viet Nam                        | : Not determined.                                                                                 |
| 15.2 Chemical safety assessment | : This product contains substances for which Chemical Safety Assessments might still be required. |

**SECTION 16: Other information**

|                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Indicates information that has changed from previously issued version.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Abbreviations and acronyms                                                       | :<br>ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway<br>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road<br>ATE = Acute Toxicity Estimate<br>B = Bioaccumulative<br>BCF = Bioconcentration Factor<br>CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]<br>DMEL = Derived Minimal Effect Level<br>DNEL = Derived No Effect Level<br>EUH statement = CLP-specific Hazard statement<br>IATA = International Air Transport Association<br>IMDG = International Maritime Dangerous Goods<br>IMO = International Maritime Organization<br>M = Mobile<br>N/A = Not available<br>P = Persistent<br>PBT = Persistent, Bioaccumulative and Toxic<br>PMT = Persistent, Mobile and Toxic<br>PNEC = Predicted No Effect Concentration<br>RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail<br>RRN = REACH Registration Number<br>SGG = Segregation Group<br>T = Toxic<br>vB = Very Bioaccumulative<br>vM = Very Mobile<br>vP = Very Persistent<br>vPvB = Very Persistent and Very Bioaccumulative<br>vPvM = Very Persistent and Very Mobile |

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification          | Justification      |
|-------------------------|--------------------|
| Aquatic Chronic 3, H412 | Calculation method |

Full text of abbreviated H statements

|                                        |                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H300<br>H400<br>H410<br>H412<br>EUH032 | Fatal if swallowed.<br>Very toxic to aquatic life.<br>Very toxic to aquatic life with long lasting effects.<br>Harmful to aquatic life with long lasting effects.<br>Contact with acids liberates very toxic gas. |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Full text of classifications [CLP/GHS]

|                                                                           |                                                                                                                                                                                     |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 2<br>Aquatic Acute 1<br>Aquatic Chronic 1<br>Aquatic Chronic 3 | ACUTE TOXICITY - Category 2<br>SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                 |                          |
|---------------------------------|--------------------------|
| Date of issue/ Date of revision | : 25/09/2025             |
| Date of previous issue          | : No previous validation |
| Version                         | : 1                      |

*Tethering Reagent (anti-CD9)*

**SECTION 16: Other information**

[Notice to reader](#)

Disclaimer: The information contained in this document is based on Agilent’s state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

# SAFETY DATA SHEET

Cytolysis Reagent

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

### 1.1 Product identifier

**Product name** : Cytolysis Reagent  
**Part no.** : 8710239

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : For research use only.  
 10 ml  
**Uses advised against** : Not for use in diagnostic procedures (RUO).

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH  
 Hewlett-Packard-Str. 8  
 76337 Waldbronn  
 Germany  
 0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +353 1 901 4670

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

|        |                                         |            |
|--------|-----------------------------------------|------------|
| H318   | SERIOUS EYE DAMAGE/EYE IRRITATION       | Category 1 |
| H400   | SHORT-TERM (ACUTE) AQUATIC HAZARD       | Category 1 |
| H411   | LONG-TERM (CHRONIC) AQUATIC HAZARD      | Category 2 |
| EUH430 | ENDOCRINE DISRUPTOR FOR THE ENVIRONMENT | Category 1 |

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity** : Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%  
 Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H318 - Causes serious eye damage.  
 H410 - Very toxic to aquatic life with long lasting effects.  
 EUH430 - May cause endocrine disruption in the environment.

#### Precautionary statements

Cytolysis Reagent

SECTION 2: Hazards identification

|                                                                                                                                    |                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Prevention                                                                                                                         | : P201 - Obtain special instructions before use.<br>P280 - Wear eye or face protection.<br>P273 - Avoid release to the environment. |
| Response                                                                                                                           | : P391 - Collect spillage.                                                                                                          |
| Storage                                                                                                                            | : P405 - Store locked up.                                                                                                           |
| Disposal                                                                                                                           | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.          |
| Hazardous ingredients                                                                                                              | : Polyoxyethylene octyl phenyl ether                                                                                                |
| Supplemental label elements                                                                                                        | : Not applicable.                                                                                                                   |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable.                                                                                                                   |
| Special packaging requirements                                                                                                     |                                                                                                                                     |
| Tactile warning of danger                                                                                                          | : Not applicable.                                                                                                                   |

2.3 Other hazards

|                                                                                                            |                                                                                         |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII          | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Product meets the criteria for endocrine disrupting properties according to Regulation (EC) No. 1907/2006. | : Contains Polyoxyethylene octyl phenyl ether. May cause endocrine disruption.          |
| Other hazards which do not result in classification                                                        | : None known.                                                                           |

SECTION 3: Composition/information on ingredients

|              |           |
|--------------|-----------|
| 3.2 Mixtures | : Mixture |
|--------------|-----------|

| Product/ingredient name            | Identifiers    | %   | Classification                                                                                                                                                                                                       | Specific Conc. Limits, M-factors and ATEs                    | Type    |
|------------------------------------|----------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------|
| Polyoxyethylene octyl phenyl ether | CAS: 9002-93-1 | ≤10 | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>ED ENV 1, EUH430<br><b>See Section 16 for the full text of the H statements declared above.</b> | ATE [Oral] = 1800 mg/kg<br>M [Acute] = 10<br>M [Chronic] = 1 | [1] [2] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type



**SECTION 3: Composition/information on ingredients**

- [1] Substance classified with a health or environmental hazard  
 [2] Substance of equivalent concern - Endocrine disrupting properties  
 Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**4.2 Most important symptoms and effects, both acute and delayed****Over-exposure signs/symptoms**

- Eye contact** : Adverse symptoms may include the following:  
 pain  
 watering  
 redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
 pain or irritation  
 redness  
 blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
 stomach pains

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

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

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is toxic to aquatic life with long lasting effects. This material may cause endocrine disruption in the environment. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**5.3 Advice for firefighters**

**Special precautions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions**

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

**6.3 Methods and material for containment and cleaning up**

**Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. May be harmful to the environment if released. Dispose of spillages under controlled conditions.

**6.4 Reference to other sections**

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Avoid breathing vapour or mist. Avoid release to the environment. Avoid contact with eyes, skin and clothing. Do not ingest. Empty containers retain product residue and can be hazardous. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Do not breathe vapour or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**7.2 Conditions for safe storage, including any incompatibilities**

- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

**Seveso Directive - Reporting thresholds****Danger criteria**

| Category | Notification and MAPP threshold | Safety report threshold |
|----------|---------------------------------|-------------------------|
| 1        | 100 tonnes                      | 200 tonnes              |

**7.3 Specific end use(s)**

- Recommendations** : Industrial applications, Professional applications.
- Industrial sector specific solutions** : Not available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

No exposure limit value known.

**Biological exposure indices**

No exposure indices known.

- Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

Not available.

**PNECs**

**SECTION 8: Exposure controls/personal protection**

Not available.

**8.2 Exposure controls**

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

**9.1 Information on basic physical and chemical properties****Appearance**

**Physical state** : Liquid.

**Colour** : Not available.

**Odour** : Not available.

**Odour threshold** : Not available.

**Melting point/freezing point** : Not available.

**Boiling point or initial boiling point and boiling range** : Not available.

**Flammability** : Not applicable.

**Cytolysis Reagent****SECTION 9: Physical and chemical properties**

Lower and upper explosion limit/flammability limit : Not available.

Flash point :

| Ingredient name                    | Closed cup |        | Open cup |        |
|------------------------------------|------------|--------|----------|--------|
|                                    | °C         | Method | °C       | Method |
| Polyoxyethylene octyl phenyl ether | >109.85    | -      | -        | -      |

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

pH : Not available.

Viscosity : Dynamic (room temperature): Not available.  
 Kinematic (room temperature): Not available.  
 Kinematic (40°C): Not available.

| Media | Result  |
|-------|---------|
| water | Soluble |

Partition coefficient: n-octanol/water : Not applicable.

| Ingredient name                    | Vapour Pressure at 20°C |      |        | Vapour pressure at 50°C |      |        |
|------------------------------------|-------------------------|------|--------|-------------------------|------|--------|
|                                    | mm Hg                   | kPa  | Method | mm Hg                   | kPa  | Method |
| Water                              | 17.5                    | 2.3  | -      | 92.258                  | 12.3 | -      |
| Polyoxyethylene octyl phenyl ether | 0.997581                | 0.13 | -      | -                       | -    | -      |

Relative density : Not available.

Relative vapour density : Not available.

**Particle characteristics**

Median particle size : Not applicable.

**9.2 Other information****9.2.1 Information with regard to physical hazard classes**

Explosive properties : Not available.

Oxidising properties : Not available.

**9.2.2 Other safety characteristics**

Miscible with water : Yes.

Evaporation rate : Not available.

Physical/chemical properties comments : Not available.

**SECTION 10: Stability and reactivity**

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

**Cytolysis Reagent****SECTION 10: Stability and reactivity**

**10.5 Incompatible materials** : May react or be incompatible with oxidising materials.

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**Acute toxicity

**Product/ingredient name** **Result**  
 Polyoxyethylene octyl phenyl ether Rat - Oral - LD50 1800 mg/kg

**Conclusion/Summary [Product]** : Not available.

Acute toxicity estimates

| Product/ingredient name                                                                                                                   | Oral (mg/kg)    | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------------|-----------------------------|-------------------------------------|
|  Cytolysis Reagent<br>Polyoxyethylene octyl phenyl ether | 18181.8<br>1800 | N/A<br>N/A     | N/A<br>N/A               | N/A<br>N/A                  | N/A<br>N/A                          |

Skin corrosion/irritation

**Product/ingredient name** **Result**  
 Polyoxyethylene octyl phenyl ether Rabbit - Skin - Mild irritant  
 Duration of treatment/exposure: 24 hours  
 Amount/concentration applied: 500 uL

**Conclusion/Summary [Product]** : Not available.

Serious eye damage/eye irritation

**Conclusion/Summary [Product]** : Not available.

Respiratory corrosion/irritation

**Conclusion/Summary [Product]** : Not available.

Respiratory or skin sensitizationSkin

**Conclusion/Summary [Product]** : Not available.

Respiratory

**Conclusion/Summary [Product]** : Not available.

Germ cell mutagenicity

**Conclusion/Summary [Product]** : Not available.

Carcinogenicity

**SECTION 11: Toxicological information**

**Conclusion/Summary** : Not available.  
**[Product]**

**Reproductive toxicity**

**Conclusion/Summary** : Not available.  
**[Product]**

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

**Potential acute health effects**

**Eye contact** : Causes serious eye damage.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : Adverse symptoms may include the following:  
 pain  
 watering  
 redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following:  
 pain or irritation  
 redness  
 blistering may occur  
**Ingestion** : Adverse symptoms may include the following:  
 stomach pains

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

**Conclusion/Summary** : Not available.  
**[Product]**  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.



Cytolysis Reagent

SECTION 11: Toxicological information

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name             | Result                                                                                                                                               |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Polyoxyethylene octyl phenyl ether  | Acute - LC50 - Fresh water4500 µg/l [96 hours]<br>Acute - LC50 - Fresh water5.85 mg/l [48 hours]<br>Chronic - NOEC - Fresh water0.004 mg/l [28 days] |
| <b>Conclusion/Summary [Product]</b> | : Not available.                                                                                                                                     |

12.2 Persistence and degradability

Not available.  
**Conclusion/Summary [Product]** : Not available.

| Product/ingredient name            | Aquatic half-life | Photolysis | Biodegradability |
|------------------------------------|-------------------|------------|------------------|
| Polyoxyethylene octyl phenyl ether | -                 | -          | Readily          |

12.3 Bioaccumulative potential

| Product/ingredient name            | LogP <sub>ow</sub> | BCF | Potential |
|------------------------------------|--------------------|-----|-----------|
| Polyoxyethylene octyl phenyl ether | 4.86               | -   | High      |

12.4 Mobility in soil

**Soil/water partition coefficient**  
Not available.

Results of PMT and vPvM assessment

| Product/ingredient name            | PMT | P   | M   | T   | vPvM | vP  | vM  |
|------------------------------------|-----|-----|-----|-----|------|-----|-----|
| Polyoxyethylene octyl phenyl ether | N/A | N/A | N/A | Yes | N/A  | N/A | N/A |

**Mobility** : Not available.  
**Conclusion/Summary** : The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment

Regulation (EC) No. 1907/2006 [REACH]

| Product/ingredient name            | PBT | P   | B   | T   | vPvB | vP  | vB  |
|------------------------------------|-----|-----|-----|-----|------|-----|-----|
| Polyoxyethylene octyl phenyl ether | N/A | N/A | N/A | Yes | N/A  | N/A | N/A |

Regulation (EC) No. 1272/2008 [CLP]

| Product/ingredient name            | PBT | P   | B   | T   | vPvB | vP  | vB  |
|------------------------------------|-----|-----|-----|-----|------|-----|-----|
| Polyoxyethylene octyl phenyl ether | N/A | N/A | N/A | Yes | N/A  | N/A | N/A |

**Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP]** : The product does not meet the criteria to be considered as a PBT or vPvB.



Cytolysis Reagent

SECTION 12: Ecological information

12.6 Endocrine disrupting properties

Conclusion/Summary : May cause endocrine disruption. May cause endocrine disruption in the environment.  
[Product]

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. The generation of waste should be avoided or minimised wherever possible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

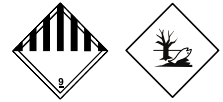
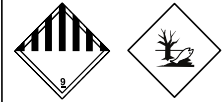
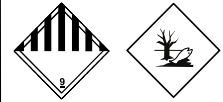
Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : Dispose of material(s) and residues under controlled conditions. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

|                                 | ADR/RID                                                                                     | IMDG                                                                                        | IATA                                                                                        |
|---------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 14.1 UN number or ID number     | UN3082                                                                                      | UN3082                                                                                      | UN3082                                                                                      |
| 14.2 UN proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Polyoxyethylene octyl phenyl ether) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Polyoxyethylene octyl phenyl ether) | Environmentally hazardous substance, liquid, n.o.s.<br>(Polyoxyethylene octyl phenyl ether) |
| 14.3 Transport hazard class(es) | 9<br>    | 9<br>    | 9<br>  |
| 14.4 Packing group              | III                                                                                         | III                                                                                         | III                                                                                         |
| 14.5 Environmental hazards      | Yes.                                                                                        | Yes.                                                                                        | Yes.                                                                                        |

Additional information

Remarks: Excepted Quantity

**Cytolysis Reagent****SECTION 14: Transport information**

- ADR/RID** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.  
**Hazard identification number** 90  
**Limited quantity** 5 L  
**Special provisions** 274, 335, 601, 375, 650  
**Tunnel code** (-)
- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.  
**Emergency schedules** F-A, S-F  
**Special provisions** 274, 335, 375, 969
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.  
**Quantity limitation** Passenger and Cargo Aircraft: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964.  
**Special provisions** A97, A158, A197, A215
- 14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulation (EC) No. 1907/2006 (REACH)****Annex XIV - List of substances subject to authorisation****Annex XIV**

| Ingredient name                    | Intrinsic property                              | Status | Reference number | Date of revision |
|------------------------------------|-------------------------------------------------|--------|------------------|------------------|
| Polyoxyethylene octyl phenyl ether | Endocrine disrupting properties for environment | Listed | 42               | 7/3/2017         |

**Substances of very high concern**

| Ingredient name                    | Intrinsic property                              | Status      | Reference number   | Date of revision |
|------------------------------------|-------------------------------------------------|-------------|--------------------|------------------|
| Polyoxyethylene octyl phenyl ether | Endocrine disrupting properties for environment | Recommended | 5th recommendation | 2/6/2014         |

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

None of the components are listed / The components are not impacted by a restriction

**Labelling** : Not applicable.

**Other EU regulations****Ozone depleting substances (EU 2024/590)**

Not listed.

**Prior Informed Consent (PIC) (649/2012/EU)**

Not listed.

**Cytolysis Reagent****SECTION 15: Regulatory information****Persistent Organic Pollutants**

Not listed.

**Seveso Directive**

This product is controlled under the Seveso Directive.

**Danger criteria****Category**

E1

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

|                                |                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Australia</b>               | : All components are listed or exempted.                                                                                                         |
| <b>Canada</b>                  | : All components are listed or exempted.                                                                                                         |
| <b>China</b>                   | : All components are listed or exempted.                                                                                                         |
| <b>Eurasian Economic Union</b> | : <b>Russian Federation inventory:</b> All components are listed or exempted.                                                                    |
| <b>Japan</b>                   | : <b>Japan inventory (CSCL):</b> All components are listed or exempted.<br><b>Japan inventory (ISHL):</b> All components are listed or exempted. |
| <b>New Zealand</b>             | : All components are listed or exempted.                                                                                                         |
| <b>Philippines</b>             | : All components are listed or exempted.                                                                                                         |
| <b>Republic of Korea</b>       | : All components are listed or exempted.                                                                                                         |
| <b>Taiwan</b>                  | : All components are listed or exempted.                                                                                                         |
| <b>Thailand</b>                | : All components are listed or exempted.                                                                                                         |
| <b>Turkey</b>                  | : Not determined.                                                                                                                                |
| <b>United States</b>           | : All components are active or exempted.                                                                                                         |
| <b>Viet Nam</b>                | : All components are listed or exempted.                                                                                                         |

**15.2 Chemical safety assessment**

: This product contains substances for which Chemical Safety Assessments might still be required.

**SECTION 16: Other information** Indicates information that has changed from previously issued version.**Abbreviations and acronyms**

: ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE = Acute Toxicity Estimate  
 B = Bioaccumulative  
 BCF = Bioconcentration Factor  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

**SECTION 16: Other information**

DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 IATA = International Air Transport Association  
 IMDG = International Maritime Dangerous Goods  
 IMO = International Maritime Organization  
 M = Mobile  
 N/A = Not available  
 P = Persistent  
 PBT = Persistent, Bioaccumulative and Toxic  
 PMT = Persistent, Mobile and Toxic  
 PNEC = Predicted No Effect Concentration  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 RRN = REACH Registration Number  
 SGG = Segregation Group  
 T = Toxic  
 vB = Very Bioaccumulative  
 vM = Very Mobile  
 vP = Very Persistent  
 vPvB = Very Persistent and Very Bioaccumulative  
 vPvM = Very Persistent and Very Mobile

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

| Classification                                                                           | Justification                                                                        |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411<br>ED ENV 1, EUH430 | Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

**Full text of abbreviated H statements**

|                                                        |                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H302<br>H315<br>H318<br>H400<br>H410<br>H411<br>EUH430 | Harmful if swallowed.<br>Causes skin irritation.<br>Causes serious eye damage.<br>Very toxic to aquatic life.<br>Very toxic to aquatic life with long lasting effects.<br>Toxic to aquatic life with long lasting effects.<br>May cause endocrine disruption in the environment. |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Full text of classifications [CLP/GHS]**

|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 4<br>Aquatic Acute 1<br>Aquatic Chronic 1<br>Aquatic Chronic 2<br>ED ENV 1<br>Eye Dam. 1<br>Skin Irrit. 2 | ACUTE TOXICITY - Category 4<br>SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2<br>ENDOCRINE DISRUPTOR FOR THE ENVIRONMENT - Category 1<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1<br>SKIN CORROSION/IRRITATION - Category 2 |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Date of issue/ Date of revision** : 25/09/2025

**Date of previous issue** : 20/12/2022

**Version** : 2

**Notice to reader**

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

# SAFETY DATA SHEET

10X Tethering Buffer

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

### 1.1 Product identifier

**Product name** : 10X Tethering Buffer  
**Part no.** : 871B617

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : For research use only.  
10 ml  
**Uses advised against** : Not for use in diagnostic procedures (RUO).

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +353 1 901 4670

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

#### Precautionary statements

**Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.

**Supplemental label elements** : Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**10X Tethering Buffer****SECTION 2: Hazards identification****Special packaging requirements**

**Tactile warning of danger** : Not applicable.

**2.3 Other hazards**

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** : None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures** : Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**4.2 Most important symptoms and effects, both acute and delayed****Over-exposure signs/symptoms**

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

## SECTION 5: Firefighting measures

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

- |                                              |                                                                                                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Hazards from the substance or mixture</b> | : In a fire or if heated, a pressure increase will occur and the container may burst.                        |
| <b>Hazardous combustion products</b>         | : Decomposition products may include the following materials:<br>halogenated compounds<br>metal oxide/oxides |

### 5.3 Advice for firefighters

- |                                                       |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special precautions for fire-fighters</b>          | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                                                                                                                                                             |
| <b>Special protective equipment for fire-fighters</b> | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

## SECTION 6: Accidental release measures

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

- |                                    |                                                                                                                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>For non-emergency personnel</b> | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| <b>For emergency responders</b>    | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".                                                               |

### 6.2 Environmental precautions

- : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

- |                                |                                                                                                                                                                                                                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for cleaning up</b> | : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 6.4 Reference to other sections

- : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- |                                               |                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protective measures</b>                    | : Put on appropriate personal protective equipment (see Section 8).                                                                                                                                                                                                                                                                               |
| <b>Advice on general occupational hygiene</b> | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

### 7.2 Conditions for safe storage, including any incompatibilities



## SECTION 7: Handling and storage

- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Industrial applications, Professional applications.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### Biological exposure indices

No exposure indices known.

- Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

Not available.

#### PNECs

Not available.

### 8.2 Exposure controls

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.



10X Tethering Buffer

SECTION 8: Exposure controls/personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Liquid.
- Colour** : Not available.
- Odour** : Not available.
- Odour threshold** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point or initial boiling point and boiling range** : Not available.
- Flammability** : Not applicable.
- Lower and upper explosion limit/flammability limit** : Not available.
- Flash point** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- pH** : Not available.
- Viscosity** : Dynamic (room temperature): Not available.  
Kinematic (room temperature): Not available.  
Kinematic (40°C): Not available.

|                   |              |               |
|-------------------|--------------|---------------|
| <b>Solubility</b> | <b>Media</b> | <b>Result</b> |
|                   | water        | Soluble       |

- Partition coefficient: n-octanol/water** : Not applicable.

|                   |                 |                         |     |        |                         |      |        |
|-------------------|-----------------|-------------------------|-----|--------|-------------------------|------|--------|
| Vapour pressure : | Ingredient name | Vapour Pressure at 20°C |     |        | Vapour pressure at 50°C |      |        |
|                   |                 | mm Hg                   | kPa | Method | mm Hg                   | kPa  | Method |
|                   | water           | 17.5                    | 2.3 | -      | 92.258                  | 12.3 | -      |

- Relative density** : Not available.
- Relative vapour density** : Not available.

Particle characteristics

**10X Tethering Buffer**

## SECTION 9: Physical and chemical properties

**Median particle size** : Not applicable.

### 9.2 Other information

#### 9.2.1 Information with regard to physical hazard classes

**Explosive properties** : Not available.

**Oxidising properties** : Not available.

#### 9.2.2 Other safety characteristics

**Miscible with water** : Yes.

**Evaporation rate** : Not available.

**Physical/chemical properties comments** : Not available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : No specific data.

**10.5 Incompatible materials** : May react or be incompatible with oxidising materials.

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Conclusion/Summary [Product]** : Not available.

#### Acute toxicity estimates

N/A

#### Skin corrosion/irritation

**Conclusion/Summary [Product]** : Not available.

#### Serious eye damage/eye irritation

**Conclusion/Summary [Product]** : Not available.

#### Respiratory corrosion/irritation

**Conclusion/Summary [Product]** : Not available.

#### Respiratory or skin sensitization

Skin

**SECTION 11: Toxicological information**

**Conclusion/Summary** : Not available.  
**[Product]**

**Respiratory**  
**Conclusion/Summary** : Not available.  
**[Product]**

**Germ cell mutagenicity**  
**Conclusion/Summary** : Not available.  
**[Product]**

**Carcinogenicity**  
**Conclusion/Summary** : Not available.  
**[Product]**

**Reproductive toxicity**  
**Conclusion/Summary** : Not available.  
**[Product]**

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on likely** : Not available.  
**routes of exposure**

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

**10X Tethering Buffer**

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.  
**[Product]**  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

**Conclusion/Summary** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.  
**[Product]**

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary** : Not available.  
**[Product]**

### 12.2 Persistence and degradability

Not available.

**Conclusion/Summary** : Not available.  
**[Product]**

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

#### Soil/water partition coefficient

Not available.

#### Results of PMT and vPvM assessment

This mixture does not contain any substances that are assessed to be a PMT or a vPvM.

**Mobility** : Not available.  
**Conclusion/Summary** : The product does not meet the criteria to be considered as a PMT or vPvM.

### 12.5 Results of PBT and vPvB assessment

#### Regulation (EC) No. 1907/2006 [REACH]

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### Regulation (EC) No. 1272/2008 [CLP]

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PBT or vPvB.  
**Regulation (EC) No. 1272/2008 [CLP]**

### 12.6 Endocrine disrupting properties

**Conclusion/Summary** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.  
**[Product]**

### 12.7 Other adverse effects

No known significant effects or critical hazards.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

- Methods of disposal** : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. The generation of waste should be avoided or minimised wherever possible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

**Packaging**

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

|                                        | <b>ADR/RID</b> | <b>IMDG</b>    | <b>IATA</b>    |
|----------------------------------------|----------------|----------------|----------------|
| <b>14.1 UN number or ID number</b>     | Not regulated. | Not regulated. | Not regulated. |
| <b>14.2 UN proper shipping name</b>    | -              | -              | -              |
| <b>14.3 Transport hazard class(es)</b> | -              | -              | -              |
| <b>14.4 Packing group</b>              | -              | -              | -              |
| <b>14.5 Environmental hazards</b>      | No.            | No.            | No.            |

**Additional information**

- 14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- 14.7 Transport in bulk according to IMO instruments** : Not available.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulation (EC) No. 1907/2006 (REACH)****Annex XIV - List of substances subject to authorisation****Annex XIV****Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

SECTION 15: Regulatory information

None of the components are listed / The components are not impacted by a restriction

**Labelling** : Not applicable.

Other EU regulations

Ozone depleting substances (EU 2024/590)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- |                                |                                                                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Australia</b>               | : All components are listed or exempted.                                                                                                           |
| <b>Canada</b>                  | : All components are listed or exempted.                                                                                                           |
| <b>China</b>                   | : All components are listed or exempted.                                                                                                           |
| <b>Eurasian Economic Union</b> | : <b>Russian Federation inventory</b> : All components are listed or exempted.                                                                     |
| <b>Japan</b>                   | : <b>Japan inventory (CSCL)</b> : All components are listed or exempted.<br><b>Japan inventory (ISHL)</b> : All components are listed or exempted. |
| <b>New Zealand</b>             | : All components are listed or exempted.                                                                                                           |
| <b>Philippines</b>             | : All components are listed or exempted.                                                                                                           |
| <b>Republic of Korea</b>       | : All components are listed or exempted.                                                                                                           |
| <b>Taiwan</b>                  | : All components are listed or exempted.                                                                                                           |
| <b>Thailand</b>                | : All components are listed or exempted.                                                                                                           |
| <b>Turkey</b>                  | : All components are listed or exempted.                                                                                                           |
| <b>United States</b>           | : All components are active or exempted.                                                                                                           |
| <b>Viet Nam</b>                | : All components are listed or exempted.                                                                                                           |

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms**

- : ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- B = Bioaccumulative
- BCF = Bioconcentration Factor
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- IATA = International Air Transport Association
- IMDG = International Maritime Dangerous Goods
- IMO = International Maritime Organization
- M = Mobile
- N/A = Not available
- P = Persistent
- PBT = Persistent, Bioaccumulative and Toxic
- PMT = Persistent, Mobile and Toxic
- PNEC = Predicted No Effect Concentration
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
- RRN = REACH Registration Number
- SGG = Segregation Group
- T = Toxic
- vB = Very Bioaccumulative
- vM = Very Mobile
- vP = Very Persistent
- vPvB = Very Persistent and Very Bioaccumulative
- vPvM = Very Persistent and Very Mobile

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

Date of issue/ Date of revision : 25/09/2025

Date of previous issue : 22/09/2023

Version : 2

Notice to reader

Disclaimer: The information contained in this document is based on Agilent’s state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.