

# SAFETY DATA SHEET

OneSeq Phased Exome Target Enrichment Box 1, 96 reactions

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

### 1.1 Product identifier

|                                |   |           |  |
|--------------------------------|---|-----------|--|
| <b>Product name</b>            | : OneSeq Phased Exome Target Enrichment Box 1, 96 reactions |           |  |
| <b>Part no. (chemical kit)</b> | : 5190-9555   |           |  |
| <b>Part no.</b>                | : OneSeq Hyb 1  | 5190-9551 |  |
|                                | : OneSeq Hyb 2  | 5190-9545 |  |
|                                | : OneSeq Hyb 4  | 5190-9546 |  |
|                                | : OneSeq Binding Buffer                                     | 5190-9552 |  |
|                                | : OneSeq Wash Buffer 1                                      | 5190-9553 |  |
|                                | : OneSeq Wash Buffer 2                                      | 5190-9554 |  |

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

|                             |                         |         |  |
|-----------------------------|-------------------------|---------|--|
| <b>Identified uses</b>      | : Analytical reagent.   |         |  |
|                             | : OneSeq Hyb 1          | 2.4 ml  |  |
|                             | : OneSeq Hyb 2          | 1.25 ml |  |
|                             | : OneSeq Hyb 4          | 1.25 ml |  |
|                             | : OneSeq Binding Buffer | 80 ml   |  |
|                             | : OneSeq Wash Buffer 1  | 48 ml   |  |
|                             | : OneSeq Wash Buffer 2  | 144 ml  |  |
| <b>Uses advised against</b> | : None known.           |         |  |

### 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

|                           |                         |         |
|---------------------------|-------------------------|---------|
| <b>Product definition</b> | : OneSeq Hyb 1          | Mixture |
|                           | : OneSeq Hyb 2          | Mixture |
|                           | : OneSeq Hyb 4          | Mixture |
|                           | : OneSeq Binding Buffer | Mixture |
|                           | : OneSeq Wash Buffer 1  | Mixture |
|                           | : OneSeq Wash Buffer 2  | Mixture |

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

#### OneSeq Hyb 2

|      |  |            |
|------|--|------------|
| H319 | SERIOUS EYE DAMAGE/EYE IRRITATION                  | Category 2 |
| H373 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | Category 2 |

## SECTION 2: Hazards identification

|                       |   |
|-----------------------|---|
| OneSeq Hyb 1          | The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. |
| OneSeq Hyb 2          | The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.     |
| OneSeq Hyb 4          | The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. |
| OneSeq Binding Buffer | The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. |
| OneSeq Wash Buffer 1  | The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. |
| OneSeq Wash Buffer 2  | The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. |

|  |                       |  |
|--|-----------------------|--|
| <b>Ingredients of unknown toxicity</b> | : OneSeq Hyb 1        | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30% |
|  | OneSeq Hyb 2          | Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 10 - 30%     |
|  | OneSeq Binding Buffer | 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** : OneSeq Hyb 2



|                    |                       |                 |
|--------------------|-----------------------|-----------------|
| <b>Signal word</b> | : OneSeq Hyb 1        | No signal word. |
|                    | OneSeq Hyb 2          | Warning         |
|                    | OneSeq Hyb 4          | No signal word. |
|                    | OneSeq Binding Buffer | No signal word. |
|                    | OneSeq Wash Buffer 1  | No signal word. |
|                    | OneSeq Wash Buffer 2  | No signal word. |

|                          |                       |  |
|--------------------------|-----------------------|--|
| <b>Hazard statements</b> | : OneSeq Hyb 1        | No known significant effects or critical hazards.  |
|                          | OneSeq Hyb 2          | H319 - Causes serious eye irritation.<br>H373 - May cause damage to organs through prolonged or repeated exposure. |
|                          | OneSeq Hyb 4          | No known significant effects or critical hazards.  |
|                          | OneSeq Binding Buffer | No known significant effects or critical hazards.  |
|                          | OneSeq Wash Buffer 1  | No known significant effects or critical hazards.  |
|                          | OneSeq Wash Buffer 2  | No known significant effects or critical hazards.  |

### Precautionary statements

|                   |                       |  |
|-------------------|-----------------------|--|
| <b>Prevention</b> | : OneSeq Hyb 1        | Not applicable.  |
|                   | OneSeq Hyb 2          | P280 - Wear eye or face protection.<br>P260 - Do not breathe vapour. |
|                   | OneSeq Hyb 4          | Not applicable.  |
|                   | OneSeq Binding Buffer | Not applicable.  |
|                   | OneSeq Wash Buffer 1  | Not applicable.  |
|                   | OneSeq Wash Buffer 2  | Not applicable.  |

|                 |                       |  |
|-----------------|-----------------------|--|
| <b>Response</b> | : OneSeq Hyb 1        | Not applicable.  |
|                 | OneSeq Hyb 2          | P314 - Get medical advice/attention if you feel unwell.<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 - If eye irritation persists: Get medical advice or attention. |
|                 | OneSeq Hyb 4          | Not applicable.  |
|                 | OneSeq Binding Buffer | Not applicable.  |
|                 | OneSeq Wash Buffer 1  | Not applicable.  |
|                 | OneSeq Wash Buffer 2  | Not applicable.  |

**SECTION 2: Hazards identification**

|   |   |   |  |
|---|---|---|--|
| <b>Storage</b>  | : | OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.   |
| <b>Disposal</b>   | : | OneSeq Hyb 1<br>OneSeq Hyb 2<br><br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2 | Not applicable.<br>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.  |
| <b>Hazardous ingredients</b>  | : | OneSeq Hyb 2  | edetic acid  |
| <b>Supplemental label elements</b>  | : | OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | Safety data sheet available on request.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.   |
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | : | OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.   |
| <b><u>Special packaging requirements</u></b>  |   |   |  |
| <b>Tactile warning of danger</b>  | : | OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.   |
| <b>2.3 Other hazards</b>  |   |   |  |
| <b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b>                                  | : | OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | This mixture does not contain any substances that are assessed to be a PBT or a vPvB.<br>This mixture does not contain any substances that are assessed to be a PBT or a vPvB.<br>This mixture does not contain any substances that are assessed to be a PBT or a vPvB.<br>This mixture does not contain any substances that are assessed to be a PBT or a vPvB.<br>This mixture does not contain any substances that are assessed to be a PBT or a vPvB.<br>This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| <b>Other hazards which do not result in classification</b>  | : | OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | None known.<br>None known.<br>None known.<br>None known.<br>None known.<br>None known.   |

### SECTION 3: Composition/information on ingredients

|                       |   |                       |         |
|-----------------------|---|-----------------------|---------|
| <b>3.1 Substances</b> | : | OneSeq Hyb 1          | Mixture |
|                       |   | OneSeq Hyb 2          | Mixture |
|                       |   | OneSeq Hyb 4          | Mixture |
|                       |   | OneSeq Binding Buffer | Mixture |
|                       |   | OneSeq Wash Buffer 1  | Mixture |
|                       |   | OneSeq Wash Buffer 2  | Mixture |

| Product/ingredient name                                | Identifiers                     | %         | Classification  | Specific Conc. Limits, M-factors and ATEs     | Type |
|--|---------------------------------|-----------|---|---|------|
| <b>OneSeq Hyb 1</b><br>sodium dihydrogenorthophosphate | EC: 231-449-2<br>CAS: 7558-80-7 | ≤3        | Eye Irrit. 2, H319  | -   | [1]  |
| <b>OneSeq Hyb 2</b><br>edetic acid                     | EC: 200-449-4<br>CAS: 60-00-4   | ≥10 - ≤25 | Acute Tox. 4, H332<br>Eye Irrit. 2, H319<br>STOT RE 2, H373<br>(respiratory tract)<br>(inhalation)<br><b>See Section 16 for the full text of the H statements declared above.</b> | ATE [Inhalation (dusts and mists)] = 1.5 mg/l | [1]  |

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type  
 OneSeq Hyb 1 [1] Substance classified with a health or environmental hazard  
 OneSeq Hyb 2 [1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

|                    |   |                       |   |
|--------------------|---|-----------------------|---|
| <b>Eye contact</b> | : | OneSeq Hyb 1          | 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.                       |
|                    |   | OneSeq Hyb 2          | 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. Get medical attention. |
|                    |   | OneSeq Hyb 4          | 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.                       |
|                    |   | OneSeq Binding Buffer | 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.                       |
|                    |   | OneSeq Wash Buffer 1  | 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.                       |
|                    |   | OneSeq Wash Buffer 2  | 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.                       |

**SECTION 4: First aid measures**

|                       |                       |  |
|-----------------------|-----------------------|--|
| <b>Inhalation</b>     | : OneSeq Hyb 1        | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
|                       | OneSeq Hyb 2          | Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention following exposure or if feeling unwell. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                       | OneSeq Hyb 4          | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
|                       | OneSeq Binding Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
|                       | OneSeq Wash Buffer 1  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
|                       | OneSeq Wash Buffer 2  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
|                       | <b>Skin contact</b>   | : OneSeq Hyb 1   |
| OneSeq Hyb 2          |                       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
| OneSeq Hyb 4          |                       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.   |
| OneSeq Binding Buffer |                       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.   |
| OneSeq Wash Buffer 1  |                       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.   |
| OneSeq Wash Buffer 2  |                       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.   |
| <b>Ingestion</b>      |                       | : OneSeq Hyb 1   |
|                       | OneSeq Hyb 2          | 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. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical   |

**SECTION 4: First aid measures**

|                       |  |
|-----------------------|--|
| OneSeq Hyb 4          | attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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. |
| OneSeq Binding Buffer | 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.   |
| OneSeq Wash Buffer 1  | 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.   |
| OneSeq Wash Buffer 2  | 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.   |

|                                     |                       |  |
|-------------------------------------|-----------------------|--|
| <b>Protection of first-aiders</b> : | OneSeq Hyb 1          | No action shall be taken involving any personal risk or without suitable training.   |
|                                     | OneSeq Hyb 2          | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
|                                     | OneSeq Hyb 4          | No action shall be taken involving any personal risk or without suitable training.   |
|                                     | OneSeq Binding Buffer | No action shall be taken involving any personal risk or without suitable training.   |
|                                     | OneSeq Wash Buffer 1  | No action shall be taken involving any personal risk or without suitable training.   |
|                                     | OneSeq Wash Buffer 2  | No action shall be taken involving any personal risk or without suitable training.   |

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

Potential acute health effects

|                       |                       |   |
|-----------------------|-----------------------|---|
| <b>Eye contact</b> :  | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                       | OneSeq Hyb 2          | Causes serious eye irritation.                    |
|                       | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                       | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                       | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                       | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |
| <b>Inhalation</b> :   | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                       | OneSeq Hyb 2          | No known significant effects or critical hazards. |
|                       | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                       | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                       | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                       | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |
| <b>Skin contact</b> : | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                       | OneSeq Hyb 2          | No known significant effects or critical hazards. |
|                       | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                       | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                       | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                       | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |

## SECTION 4: First aid measures

|                  |   |                       |   |
|------------------|---|-----------------------|---|
| <b>Ingestion</b> | : | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                  |   | OneSeq Hyb 2          | No known significant effects or critical hazards. |
|                  |   | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                  |   | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                  |   | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                  |   | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |

### Over-exposure signs/symptoms

|                     |   |                       |  |
|---------------------|---|-----------------------|--|
| <b>Eye contact</b>  | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |
| <b>Inhalation</b>   | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | No specific data.  |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |
| <b>Skin contact</b> | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | No specific data.  |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |
| <b>Ingestion</b>    | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | No specific data.  |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |

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

|                            |   |                       |   |
|----------------------------|---|-----------------------|---|
| <b>Notes to physician</b>  | : | OneSeq Hyb 1          | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                            |   | OneSeq Hyb 2          | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                            |   | OneSeq Hyb 4          | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                            |   | OneSeq Binding Buffer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                            |   | OneSeq Wash Buffer 1  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                            |   | OneSeq Wash Buffer 2  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| <b>Specific treatments</b> | : | OneSeq Hyb 1          | No specific treatment.  |
|                            |   | OneSeq Hyb 2          | No specific treatment.  |
|                            |   | OneSeq Hyb 4          | No specific treatment.  |
|                            |   | OneSeq Binding Buffer | No specific treatment.  |
|                            |   | OneSeq Wash Buffer 1  | No specific treatment.  |
|                            |   | OneSeq Wash Buffer 2  | No specific treatment.  |

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

|                                       |                       |   |
|---------------------------------------|-----------------------|---|
| <b>Suitable extinguishing media</b>   | : OneSeq Hyb 1        | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | OneSeq Hyb 2          | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | OneSeq Hyb 4          | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | OneSeq Binding Buffer | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | OneSeq Wash Buffer 1  | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | OneSeq Wash Buffer 2  | Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : OneSeq Hyb 1        | None known.   |
|                                       | OneSeq Hyb 2          | None known.   |
|                                       | OneSeq Hyb 4          | None known.   |
|                                       | OneSeq Binding Buffer | None known.   |
|                                       | OneSeq Wash Buffer 1  | None known.   |
|                                       | OneSeq Wash Buffer 2  | None known.   |

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

|  |                       |   |
|--|-----------------------|---|
| <b>Hazards from the substance or mixture</b> | : OneSeq Hyb 1        | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | OneSeq Hyb 2          | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | OneSeq Hyb 4          | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | OneSeq Binding Buffer | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | OneSeq Wash Buffer 1  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | OneSeq Wash Buffer 2  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| <b>Hazardous combustion products</b>         | : OneSeq Hyb 1        | Decomposition products may include the following materials:<br>phosphorus oxides<br>halogenated compounds<br>metal oxide/oxides |
|  | OneSeq Hyb 2          | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides             |
|  | OneSeq Hyb 4          | No specific data.   |
|  | OneSeq Binding Buffer | Decomposition products may include the following materials:<br>halogenated compounds<br>metal oxide/oxides                      |
|  | OneSeq Wash Buffer 1  | No specific data.   |
|  | OneSeq Wash Buffer 2  | No specific data.   |

**5.3 Advice for firefighters**

|  |                       |   |
|--|-----------------------|---|
| <b>Special precautions for fire-fighters</b> | : OneSeq Hyb 1        | 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. |
|  | OneSeq Hyb 2          | 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. |
|  | OneSeq Hyb 4          | 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. |
|  | OneSeq Binding Buffer | 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. |
|  | OneSeq Wash Buffer 1  | 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. |
|  | OneSeq Wash Buffer 2  | 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. |

## SECTION 5: Firefighting measures

|   |                       |   |
|---|-----------------------|---|
| <b>Special protective equipment for fire-fighters</b> | : OneSeq Hyb 1        | 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. |
|   | OneSeq Hyb 2          | 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. |
|   | OneSeq Hyb 4          | 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. |
|   | OneSeq Binding Buffer | 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. |
|   | OneSeq Wash Buffer 1  | 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. |
|   | OneSeq Wash Buffer 2  | 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> | : OneSeq Hyb 1        | 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.   |
|                                    | OneSeq Hyb 2          | 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|                                    | OneSeq Hyb 4          | 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.   |
|                                    | OneSeq Binding Buffer | 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.   |
|                                    | OneSeq Wash Buffer 1  | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas.  |

**SECTION 6: Accidental release measures**

|                                      |                       |   |
|--------------------------------------|-----------------------|---|
|                                      | OneSeq Wash Buffer 2  | Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.  |
|                                      | OneSeq Wash Buffer 2  | 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>      | : OneSeq Hyb 1        | 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".   |
|                                      | OneSeq Hyb 2          | 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".   |
|                                      | OneSeq Hyb 4          | 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".   |
|                                      | OneSeq Binding Buffer | 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".   |
|                                      | OneSeq Wash Buffer 1  | 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".   |
|                                      | OneSeq Wash Buffer 2  | 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".   |
| <b>6.2 Environmental precautions</b> | : OneSeq Hyb 1        | 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).   |
|                                      | OneSeq Hyb 2          | 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).   |
|                                      | OneSeq Hyb 4          | 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).   |
|                                      | OneSeq Binding Buffer | 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).   |
|                                      | OneSeq Wash Buffer 1  | 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).   |
|                                      | OneSeq Wash Buffer 2  | 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**

## SECTION 6: Accidental release measures

|                                |                       |   |
|--------------------------------|-----------------------|---|
| <b>Methods for cleaning up</b> | : OneSeq Hyb 1        | 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. |
|                                | OneSeq Hyb 2          | 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. |
|                                | OneSeq Hyb 4          | 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. |
|                                | OneSeq Binding Buffer | 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. |
|                                | OneSeq Wash Buffer 1  | 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. |
|                                | OneSeq Wash Buffer 2  | 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>                    | : OneSeq Hyb 1        | Put on appropriate personal protective equipment (see Section 8).   |
|   | OneSeq Hyb 2          | Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|   | OneSeq Hyb 4          | Put on appropriate personal protective equipment (see Section 8).   |
|   | OneSeq Binding Buffer | Put on appropriate personal protective equipment (see Section 8).   |
|   | OneSeq Wash Buffer 1  | Put on appropriate personal protective equipment (see Section 8).   |
|   | OneSeq Wash Buffer 2  | Put on appropriate personal protective equipment (see Section 8).   |
| <b>Advice on general occupational hygiene</b> | : OneSeq Hyb 1        | 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.                                   |
|   | OneSeq Hyb 2          | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  |

**SECTION 7: Handling and storage**

|                       |  |
|-----------------------|--|
| OneSeq Hyb 4          | 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. 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. |
| OneSeq Binding Buffer | 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.  |
| OneSeq Wash Buffer 1  | 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.  |
| OneSeq Wash Buffer 2  | 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**

: OneSeq Hyb 1

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.

OneSeq Hyb 2

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.

OneSeq Hyb 4

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.

OneSeq Binding Buffer

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 7: Handling and storage

OneSeq Wash Buffer 1

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.

OneSeq Wash Buffer 2

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.

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

|                       |   |
|-----------------------|---|
| OneSeq Hyb 1          | Industrial applications, Professional applications. |
| OneSeq Hyb 2          | Industrial applications, Professional applications. |
| OneSeq Hyb 4          | Industrial applications, Professional applications. |
| OneSeq Binding Buffer | Industrial applications, Professional applications. |
| OneSeq Wash Buffer 1  | Industrial applications, Professional applications. |
| OneSeq Wash Buffer 2  | Industrial applications, Professional applications. |

#### Industrial sector specific solutions

|                       |                |
|-----------------------|----------------|
| OneSeq Hyb 1          | Not available. |
| OneSeq Hyb 2          | Not available. |
| OneSeq Hyb 4          | Not available. |
| OneSeq Binding Buffer | Not available. |
| OneSeq Wash Buffer 1  | Not available. |
| OneSeq Wash Buffer 2  | 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

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

| Product/ingredient name                                | Type | Exposure                 | Value                  | Population            | Effects  |
|--|------|--------------------------|------------------------|-----------------------|----------|
| <b>OneSeq Hyb 1</b><br>Sodium dihydrogenorthophosphate | DNEL | Long term<br>Inhalation  | 3.04 mg/m <sup>3</sup> | General<br>population | Systemic |
|  | DNEL | Long term<br>Inhalation  | 4.07 mg/m <sup>3</sup> | Workers               | Systemic |
| <b>OneSeq Hyb 2</b><br>EDTA                            | DNEL | Long term<br>Inhalation  | 0.6 mg/m <sup>3</sup>  | General<br>population | Local    |
|  | DNEL | Short term<br>Inhalation | 1.2 mg/m <sup>3</sup>  | General<br>population | Local    |
|  | DNEL | Long term<br>Inhalation  | 1.5 mg/m <sup>3</sup>  | Workers               | Local    |
|  | DNEL | Long term<br>Inhalation  | 1.5 mg/m <sup>3</sup>  | Workers               | Systemic |
|  | DNEL | Short term<br>Inhalation | 3 mg/m <sup>3</sup>    | Workers               | Local    |
|  | DNEL | Short term<br>Inhalation | 3 mg/m <sup>3</sup>    | Workers               | Systemic |
|  | DNEL | Long term Oral           | 25 mg/kg<br>bw/day     | General<br>population | Systemic |

**PNECs**

No PNECs 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.

**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**

|   |                       |                 |
|---|-----------------------|-----------------|
| <b>Physical state</b>                               | : OneSeq Hyb 1        | Liquid.         |
|   | OneSeq Hyb 2          | Liquid.         |
|   | OneSeq Hyb 4          | Liquid.         |
|   | OneSeq Binding Buffer | Liquid.         |
|   | OneSeq Wash Buffer 1  | Liquid.         |
|   | OneSeq Wash Buffer 2  | Liquid.         |
| <b>Colour</b>                                       | : OneSeq Hyb 1        | Not available.  |
|   | OneSeq Hyb 2          | Not available.  |
|   | OneSeq Hyb 4          | Not available.  |
|   | OneSeq Binding Buffer | Not available.  |
|   | OneSeq Wash Buffer 1  | Not available.  |
|   | OneSeq Wash Buffer 2  | Not available.  |
| <b>Odour</b>  | : OneSeq Hyb 1        | Not available.  |
|   | OneSeq Hyb 2          | Not available.  |
|   | OneSeq Hyb 4          | Not available.  |
|   | OneSeq Binding Buffer | Not available.  |
|   | OneSeq Wash Buffer 1  | Not available.  |
|   | OneSeq Wash Buffer 2  | Not available.  |
| <b>Odour threshold</b>                              | : OneSeq Hyb 1        | Not available.  |
|   | OneSeq Hyb 2          | Not available.  |
|   | OneSeq Hyb 4          | Not available.  |
|   | OneSeq Binding Buffer | Not available.  |
|   | OneSeq Wash Buffer 1  | Not available.  |
|   | OneSeq Wash Buffer 2  | Not available.  |
| <b>Melting point/freezing point</b>                 | : OneSeq Hyb 1        | Not available.  |
|   | OneSeq Hyb 2          | Not available.  |
|   | OneSeq Hyb 4          | 0°C             |
|   | OneSeq Binding Buffer | Not available.  |
|   | OneSeq Wash Buffer 1  | 0°C             |
|   | OneSeq Wash Buffer 2  | 0°C             |
| <b>Initial boiling point and boiling range</b>      | : OneSeq Hyb 1        | Not available.  |
|   | OneSeq Hyb 2          | Not available.  |
|   | OneSeq Hyb 4          | 100°C           |
|   | OneSeq Binding Buffer | Not available.  |
|   | OneSeq Wash Buffer 1  | 100°C           |
|   | OneSeq Wash Buffer 2  | 100°C           |
| <b>Flammability</b>                                 | : OneSeq Hyb 1        | Not applicable. |
|   | OneSeq Hyb 2          | Not applicable. |
|   | OneSeq Hyb 4          | Not applicable. |
|   | OneSeq Binding Buffer | Not applicable. |
|   | OneSeq Wash Buffer 1  | Not applicable. |
|   | OneSeq Wash Buffer 2  | Not applicable. |
| <b>Upper/lower flammability or explosive limits</b> | : OneSeq Hyb 1        | Not available.  |
|   | OneSeq Hyb 2          | Not available.  |
|   | OneSeq Hyb 4          | Not available.  |
|   | OneSeq Binding Buffer | Not available.  |
|   | OneSeq Wash Buffer 1  | Not available.  |
|   | OneSeq Wash Buffer 2  | Not available.  |
| <b>Flash point</b>                                  | : OneSeq Hyb 1        | Not available.  |
|   | OneSeq Hyb 2          | Not available.  |
|   | OneSeq Hyb 4          | Not available.  |
|   | OneSeq Binding Buffer | Not available.  |
|   | OneSeq Wash Buffer 1  | Not available.  |
|   | OneSeq Wash Buffer 2  | Not available.  |
| <b>Auto-ignition temperature</b>                    | :                     |                 |

**SECTION 9: Physical and chemical properties**

| Ingredient name | °C   | Method   |
|-----------------|------|----------|
| OneSeq Hyb 2    |      |          |
| edetic acid     | >400 | VDI 2263 |

**Decomposition temperature** : OneSeq Hyb 1 Not available.  
 OneSeq Hyb 2 Not available.  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer Not available.  
 OneSeq Wash Buffer 1 Not available.  
 OneSeq Wash Buffer 2 Not available.

**pH** : OneSeq Hyb 1 7.4  
 OneSeq Hyb 2 8  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer 7.5  
 OneSeq Wash Buffer 1 7  
 OneSeq Wash Buffer 2 7

**Viscosity** : OneSeq Hyb 1 Not available.  
 OneSeq Hyb 2 Not available.  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer Not available.  
 OneSeq Wash Buffer 1 Not available.  
 OneSeq Wash Buffer 2 Not available.

| Solubility(ies)       | Media | Result  |
|-----------------------|-------|---------|
| OneSeq Hyb 1          | water | Soluble |
| OneSeq Hyb 2          | water | Soluble |
| OneSeq Hyb 4          | water | Soluble |
| OneSeq Binding Buffer | water | Soluble |
| OneSeq Wash Buffer 1  | water | Soluble |

**Partition coefficient: n-octanol/water** : OneSeq Hyb 1 Not applicable.  
 OneSeq Hyb 2 Not applicable.  
 OneSeq Hyb 4 Not applicable.  
 OneSeq Binding Buffer Not applicable.  
 OneSeq Wash Buffer 1 Not applicable.  
 OneSeq Wash Buffer 2 Not applicable.

| Vapour pressure | Ingredient name | Vapour Pressure at 20°C |     |        | Vapour pressure at 50°C |      |        |
|-----------------|-----------------|-------------------------|-----|--------|-------------------------|------|--------|
|                 |                 | mm Hg                   | kPa | Method | mm Hg                   | kPa  | Method |
| OneSeq Hyb 1    | water           | 17.5                    | 2.3 | -      | 92.258                  | 12.3 | -      |
|                 | OneSeq Hyb 2    |                         |     |        |                         |      |        |
| OneSeq Hyb 2    | water           | 17.5                    | 2.3 | -      | 92.258                  | 12.3 | -      |
|                 | edetic acid     | 0                       | 0   | -      | -                       | -    | -      |
| OneSeq Hyb 4    | water           | 17.5                    | 2.3 | -      | 92.258                  | 12.3 | -      |
|                 | OneSeq Binding  |                         |     |        |                         |      |        |

**SECTION 9: Physical and chemical properties**

|                             |      |     |   |        |      |   |  |
|-----------------------------|------|-----|---|--------|------|---|--|
| <b>Buffer</b>               |      |     |   |        |      |   |  |
| water                       | 17.5 | 2.3 | - | 92.258 | 12.3 | - |  |
| <b>OneSeq Wash Buffer 1</b> |      |     |   |        |      |   |  |
| water                       | 17.5 | 2.3 | - | 92.258 | 12.3 | - |  |
| <b>OneSeq Wash Buffer 2</b> |      |     |   |        |      |   |  |
| water                       | 17.5 | 2.3 | - | 92.258 | 12.3 | - |  |

- Evaporation rate** : OneSeq Hyb 1 Not available.  
 OneSeq Hyb 2 Not available.  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer Not available.  
 OneSeq Wash Buffer 1 Not available.  
 OneSeq Wash Buffer 2 Not available.
- Relative density** : OneSeq Hyb 1 Not available.  
 OneSeq Hyb 2 Not available.  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer Not available.  
 OneSeq Wash Buffer 1 Not available.  
 OneSeq Wash Buffer 2 Not available.
- Vapour density** : OneSeq Hyb 1 Not available.  
 OneSeq Hyb 2 Not available.  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer Not available.  
 OneSeq Wash Buffer 1 Not available.  
 OneSeq Wash Buffer 2 Not available.
- Explosive properties** : OneSeq Hyb 1 Not available.  
 OneSeq Hyb 2 Not available.  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer Not available.  
 OneSeq Wash Buffer 1 Not available.  
 OneSeq Wash Buffer 2 Not available.
- Oxidising properties** : OneSeq Hyb 1 Not available.  
 OneSeq Hyb 2 Not available.  
 OneSeq Hyb 4 Not available.  
 OneSeq Binding Buffer Not available.  
 OneSeq Wash Buffer 1 Not available.  
 OneSeq Wash Buffer 2 Not available.
- Particle characteristics**
- Median particle size** : OneSeq Hyb 1 Not applicable.  
 OneSeq Hyb 2 Not applicable.  
 OneSeq Hyb 4 Not applicable.  
 OneSeq Binding Buffer Not applicable.  
 OneSeq Wash Buffer 1 Not applicable.  
 OneSeq Wash Buffer 2 Not applicable.

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

|  |                       |  |
|--|-----------------------|--|
| <b>10.1 Reactivity</b>                         | : OneSeq Hyb 1        | No specific test data related to reactivity available for this product or its ingredients.           |
|  | OneSeq Hyb 2          | No specific test data related to reactivity available for this product or its ingredients.           |
|  | OneSeq Hyb 4          | No specific test data related to reactivity available for this product or its ingredients.           |
|  | OneSeq Binding Buffer | No specific test data related to reactivity available for this product or its ingredients.           |
|  | OneSeq Wash Buffer 1  | No specific test data related to reactivity available for this product or its ingredients.           |
|  | OneSeq Wash Buffer 2  | No specific test data related to reactivity available for this product or its ingredients.           |
| <b>10.2 Chemical stability</b>                 | : OneSeq Hyb 1        | The product is stable.   |
|  | OneSeq Hyb 2          | The product is stable.   |
|  | OneSeq Hyb 4          | The product is stable.   |
|  | OneSeq Binding Buffer | The product is stable.   |
|  | OneSeq Wash Buffer 1  | The product is stable.   |
|  | OneSeq Wash Buffer 2  | The product is stable.   |
| <b>10.3 Possibility of hazardous reactions</b> | : OneSeq Hyb 1        | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
|  | OneSeq Hyb 2          | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
|  | OneSeq Hyb 4          | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
|  | OneSeq Binding Buffer | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
|  | OneSeq Wash Buffer 1  | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
|  | OneSeq Wash Buffer 2  | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>10.4 Conditions to avoid</b>                | : OneSeq Hyb 1        | No specific data.  |
|  | OneSeq Hyb 2          | No specific data.  |
|  | OneSeq Hyb 4          | No specific data.  |
|  | OneSeq Binding Buffer | No specific data.  |
|  | OneSeq Wash Buffer 1  | No specific data.  |
|  | OneSeq Wash Buffer 2  | No specific data.  |
| <b>10.5 Incompatible materials</b>             | : OneSeq Hyb 1        | May react or be incompatible with oxidising materials.   |
|  | OneSeq Hyb 2          | May react or be incompatible with oxidising materials.   |
|  | OneSeq Hyb 4          | May react or be incompatible with oxidising materials.   |
|  | OneSeq Binding Buffer | May react or be incompatible with oxidising materials.   |
|  | OneSeq Wash Buffer 1  | May react or be incompatible with oxidising materials.   |
|  | OneSeq Wash Buffer 2  | May react or be incompatible with oxidising materials.   |
| <b>10.6 Hazardous decomposition products</b>   | : OneSeq Hyb 1        | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|  | OneSeq Hyb 2          | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|  | OneSeq Hyb 4          | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|  | OneSeq Binding Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|  | OneSeq Wash Buffer 1  | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|  | OneSeq Wash Buffer 2  | 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      | Species | Dose        | Exposure |
|---|-------------|---------|-------------|----------|
| OneSeq Hyb 1<br>Sodium dihydrogenorthophosphate | LD50 Dermal | Rabbit  | >7940 mg/kg | -        |
|   | LD50 Oral   | Rat     | 8290 mg/kg  | -        |
| OneSeq Hyb 2<br>EDTA                            | LD50 Oral   | Rat     | 4500 mg/kg  | -        |

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) |
|---|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| OneSeq Hyb 1<br>Sodium dihydrogenorthophosphate | 8290         | N/A            | N/A                      | N/A                         | N/A                                 |
| OneSeq Hyb 2<br>OneSeq Hyb 2<br>EDTA            | N/A<br>4500  | N/A<br>N/A     | N/A<br>N/A               | N/A<br>N/A                  | 10.3<br>1.5                         |

Irritation/Corrosion

| Product/ingredient name                         | Result               | Species | Score | Exposure | Observation |
|---|----------------------|---------|-------|----------|-------------|
| OneSeq Hyb 1<br>Sodium dihydrogenorthophosphate | Eyes - Mild irritant | Rabbit  | -     | 150 mg   | -           |

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs     |
|-------------------------|------------|-------------------|-------------------|
| OneSeq Hyb 2<br>EDTA    | Category 2 | inhalation        | respiratory tract |

Aspiration hazard

Not available.

Information on likely routes of exposure

- : OneSeq Hyb 1 Not available.
- : OneSeq Hyb 2 Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
- : OneSeq Hyb 4 Not available.
- : OneSeq Binding Buffer Not available.
- : OneSeq Wash Buffer 1 Not available.
- : OneSeq Wash Buffer 2 Not available.

**SECTION 11: Toxicological information**Potential acute health effects

|                     |   |                       |   |
|---------------------|---|-----------------------|---|
| <b>Inhalation</b>   | : | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                     |   | OneSeq Hyb 2          | No known significant effects or critical hazards. |
|                     |   | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                     |   | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                     |   | OneSeq Hyb 2          | No known significant effects or critical hazards. |
|                     |   | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                     |   | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |
| <b>Skin contact</b> | : | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                     |   | OneSeq Hyb 2          | No known significant effects or critical hazards. |
|                     |   | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                     |   | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |
| <b>Eye contact</b>  | : | OneSeq Hyb 1          | No known significant effects or critical hazards. |
|                     |   | OneSeq Hyb 2          | Causes serious eye irritation.                    |
|                     |   | OneSeq Hyb 4          | No known significant effects or critical hazards. |
|                     |   | OneSeq Binding Buffer | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 1  | No known significant effects or critical hazards. |
|                     |   | OneSeq Wash Buffer 2  | No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

|                     |   |                       |  |
|---------------------|---|-----------------------|--|
| <b>Inhalation</b>   | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | No specific data.  |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |
| <b>Ingestion</b>    | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | No specific data.  |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |
| <b>Skin contact</b> | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | No specific data.  |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |
| <b>Eye contact</b>  | : | OneSeq Hyb 1          | No specific data.  |
|                     |   | OneSeq Hyb 2          | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|                     |   | OneSeq Hyb 4          | No specific data.  |
|                     |   | OneSeq Binding Buffer | No specific data.  |
|                     |   | OneSeq Wash Buffer 1  | No specific data.  |
|                     |   | OneSeq Wash Buffer 2  | No specific data.  |

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

|                                    |   |                |
|------------------------------------|---|----------------|
| <b>Potential immediate effects</b> | : | Not available. |
| <b>Potential delayed effects</b>   | : | Not available. |

## SECTION 11: Toxicological information

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

**Conclusion/Summary** : Not available.

|                              |   |   |
|------------------------------|---|---|
| <b>General</b>               | : OneSeq Hyb 1<br>OneSeq Hyb 2<br><br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2 | No known significant effects or critical hazards.<br>May cause damage to organs through prolonged or repeated exposure.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | : OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.                  |
| <b>Mutagenicity</b>          | : OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.                  |
| <b>Reproductive toxicity</b> | : OneSeq Hyb 1<br>OneSeq Hyb 2<br>OneSeq Hyb 4<br>OneSeq Binding Buffer<br>OneSeq Wash Buffer 1<br>OneSeq Wash Buffer 2     | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.                  |

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name                                | Result  | Species   | Exposure             |
|--|---|---|----------------------|
| <b>OneSeq Hyb 1</b><br>Sodium dihydrogenorthophosphate | Acute LC50 720 ppm Fresh water  | Fish - <i>Gambusia affinis</i> - Adult  | 96 hours             |
| <b>OneSeq Hyb 2</b><br>EDTA                            | Acute EC50 >60 mg/l Fresh water<br>Acute EC50 113000 µg/l Fresh water | Algae - <i>Raphidocelis subcapitata</i><br>Daphnia - <i>Daphnia magna</i> - Neonate | 72 hours<br>48 hours |
|  | Acute LC50 129000 µg/l Fresh water                                    | Fish - <i>Ictalurus punctatus</i> - Fingerling                                      | 96 hours             |

### 12.2 Persistence and degradability

Not available.

## SECTION 12: Ecological information

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| OneSeq Hyb 2<br>EDTA    | -                 | -          | Not readily      |

### 12.3 Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| OneSeq Hyb 2<br>EDTA    | -                  | 1.8 | Low       |

### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Mobility : Not available.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Endocrine disrupting properties

Not available.

### 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** : The generation of waste should be avoided or minimised wherever possible. 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. 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

|                              | ADR/RID        | IMDG           | IATA           |
|------------------------------|----------------|----------------|----------------|
| 14.1 UN number or ID number  | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | -              | -              | -              |
|                              |                |                |                |

## SECTION 14: Transport information

|                                 |     |     |     |
|---------------------------------|-----|-----|-----|
| 14.3 Transport hazard class(es) | -   | -   | -   |
| 14.4 Packing group              | -   | -   | -   |
| 14.5 Environmental hazards      | 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

None of the components are listed.

##### 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] |
|------------------------------|-------------|---------------------|
| OneSeq Hyb 2<br>OneSeq Hyb 2 | -           | 3                   |

**Label** : OneSeq Hyb 1 Not applicable.  
 OneSeq Hyb 2 Not applicable.  
 OneSeq Hyb 4 Not applicable.  
 OneSeq Binding Buffer Not applicable.  
 OneSeq Wash Buffer 1 Not applicable.  
 OneSeq Wash Buffer 2 Not applicable.

### Other EU regulations

#### Ozone depleting substances (1005/2009/EU)

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

## SECTION 15: Regulatory information

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>                | : Not determined.  |
| <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.

|                                   |   |
|-----------------------------------|---|
| <b>Abbreviations and acronyms</b> | : ATE = Acute Toxicity Estimate<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>N/A = Not available<br>PBT = Persistent, Bioaccumulative and Toxic<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number<br>vPvB = Very Persistent and Very Bioaccumulative |
|-----------------------------------|---|

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

| Classification  | Justification                            |
|---|--|
| OneSeq Hyb 2<br>Eye Irrit. 2, H319<br>STOT RE 2, H373 | Calculation method<br>Calculation method |

### [Full text of abbreviated H statements](#)

**SECTION 16: Other information**

|   |  |
|---|--|
| <p><b>OneSeq Hyb 1</b><br/>H319</p>                   | <p>Causes serious eye irritation.</p>  |
| <p><b>OneSeq Hyb 2</b><br/>H319<br/>H332<br/>H373</p> | <p>Causes serious eye irritation.<br/>Harmful if inhaled.<br/>May cause damage to organs through prolonged or repeated exposure.</p> |

Full text of classifications [CLP/GHS]

|  |   |
|--|---|
| <p><b>OneSeq Hyb 1</b><br/>Eye Irrit. 2</p>                                | <p>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2</p>   |
| <p><b>OneSeq Hyb 2</b><br/>Acute Tox. 4<br/>Eye Irrit. 2<br/>STOT RE 2</p> | <p>ACUTE TOXICITY - Category 4<br/>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br/>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2</p> |

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**Date of previous issue** : No previous validation

**Version** : 1

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