

# SAFETY DATA SHEET



pCMV-Tag1 Epitope Tagging Mammalian Expression Vectors, Part Number 211170

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

### 1.1 Product identifier

|                                |   |  |           |
|--------------------------------|---|--|-----------|
| <b>Product name</b>            | : | pCMV-Tag1 Epitope Tagging Mammalian Expression Vectors, Part Number 211170 |           |
| <b>Part no. (chemical kit)</b> | : | 211170   |           |
| <b>Part no.</b>                | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector                               | 211170-51 |
|                                | : | pCMV-Tag 1 Control<br>Vector   | 211170-52 |
|                                | : | XL1-Blue E. coli Strain  | 200268-81 |

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

|                      |   |  |
|----------------------|---|--|
| <b>Material uses</b> | : | Analytical reagent.  |
|                      | : | pCMV-Tag 1 Mammalian Expression Vector 20 µl (20 µg 1 µg/µl) |
|                      | : | pCMV-Tag 1 Control Vector 10 µl (10 µg 1 µg/µl)              |
|                      | : | XL1-Blue E. coli Strain 500 µl                               |

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

Agilent Technologies Manufacturing GmbH & Co. KG  
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®: +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

|                           |   |  |         |
|---------------------------|---|--|---------|
| <b>Product definition</b> | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Mixture |
|                           | : | pCMV-Tag 1 Control<br>Vector                 | Mixture |
|                           | : | XL1-Blue E. coli Strain                      | Mixture |

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

Not classified.

**Ingredients of unknown toxicity** :  XL1-Blue E. coli Strain Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%

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

**Date of issue/Date of revision** : 24/09/2018

## SECTION 2: Hazards identification

|   |   |  |   |
|---|---|--|---|
| <b>Signal word</b>  | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | No signal word.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | No signal word.                                   |
|   |   | XL1-Blue E. coli Strain                      | No signal word.                                   |
| <b>Hazard statements</b>  | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | No known significant effects or critical hazards. |
|   |   | pCMV-Tag 1 Control<br>Vector                 | No known significant effects or critical hazards. |
|   |   | XL1-Blue E. coli Strain                      | No known significant effects or critical hazards. |
| <b><u>Precautionary statements</u></b>  |   |  |   |
| <b>Prevention</b>   | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Not applicable.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | Not applicable.                                   |
|   |   | XL1-Blue E. coli Strain                      | Not applicable.                                   |
| <b>Response</b>   | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Not applicable.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | Not applicable.                                   |
|   |   | XL1-Blue E. coli Strain                      | Not applicable.                                   |
| <b>Storage</b>  | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Not applicable.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | Not applicable.                                   |
|   |   | XL1-Blue E. coli Strain                      | Not applicable.                                   |
| <b>Disposal</b>   | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Not applicable.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | Not applicable.                                   |
|   |   | XL1-Blue E. coli Strain                      | Not applicable.                                   |
| <b>Hazardous ingredients</b>  | : | XL1-Blue E. coli Strain                      | Not applicable.                                   |
| <b>Supplemental label elements</b>  | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Not applicable.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | Not applicable.                                   |
|   |   | XL1-Blue E. coli Strain                      | Safety data sheet available on request.           |
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Not applicable.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | Not applicable.                                   |
|   |   | XL1-Blue E. coli Strain                      | Not applicable.                                   |
| <b><u>Special packaging requirements</u></b>  |   |  |   |
| <b>Tactile warning of danger</b>  | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector | Not applicable.                                   |
|   |   | pCMV-Tag 1 Control<br>Vector                 | Not applicable.                                   |
|   |   | XL1-Blue E. coli Strain                      | Not applicable.                                   |

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## SECTION 2: Hazards identification

### 2.3 Other hazards

**Other hazards which do not result in classification**

|  |             |
|--|-------------|
| : pCMV-Tag 1 Mammalian Expression Vector | None known. |
| pCMV-Tag 1 Control Vector                | None known. |
| XL1-Blue E. coli Strain                  | None known. |

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

|  |         |
|--|---------|
| : pCMV-Tag 1 Mammalian Expression Vector | Mixture |
| pCMV-Tag 1 Control Vector                | Mixture |
| XL1-Blue E. coli Strain                  | Mixture |

| Product/ingredient name | Identifiers                     | %         | Regulation (EC) No. 1272/2008 [CLP]   | Type |
|-------------------------|---------------------------------|-----------|---|------|
| XL1-Blue E. coli Strain | REACH #: Annex V                | ≥10 - ≤25 | Not classified.   | [2]  |
| Glycerol                | EC: 200-289-5<br>CAS: 56-81-5   |           |   |      |
| Sodium chloride         | EC: 231-598-3<br>CAS: 7647-14-5 | ≤3        | Eye Irrit. 2, H319  | [1]  |
|                         |                                 |           | <b>See Section 16 for the full text of the H statements declared above.</b> |      |

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 and hence require reporting in this section.

### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eye contact**

|  |   |
|--|---|
| : pCMV-Tag 1 Mammalian Expression Vector | 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. |
| pCMV-Tag 1 Control Vector                | 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. |
| XL1-Blue E. coli Strain                  | 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**

|  |   |
|--|---|
| : pCMV-Tag 1 Mammalian Expression Vector | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| pCMV-Tag 1 Control Vector                | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| XL1-Blue E. coli Strain                  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |

## SECTION 4: First aid measures

|                                   |   |  |   |
|-----------------------------------|---|--|---|
| <b>Skin contact</b>               | : | pCMV-Tag 1 Mammalian Expression Vector | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                                   |   | pCMV-Tag 1 Control Vector              | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                                   |   | XL1-Blue E. coli Strain                | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| <b>Ingestion</b>                  | : | pCMV-Tag 1 Mammalian Expression Vector | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. |
|                                   |   | pCMV-Tag 1 Control Vector              | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. |
|                                   |   | XL1-Blue E. coli Strain                | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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> | : | pCMV-Tag 1 Mammalian Expression Vector | No action shall be taken involving any personal risk or without suitable training.  |
|                                   |   | pCMV-Tag 1 Control Vector              | No action shall be taken involving any personal risk or without suitable training.  |
|                                   |   | XL1-Blue E. coli Strain                | 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>  | : | pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                     |   | pCMV-Tag 1 Control Vector              | No known significant effects or critical hazards. |
|                     |   | XL1-Blue E. coli Strain                | No known significant effects or critical hazards. |
| <b>Inhalation</b>   | : | pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                     |   | pCMV-Tag 1 Control Vector              | No known significant effects or critical hazards. |
|                     |   | XL1-Blue E. coli Strain                | No known significant effects or critical hazards. |
| <b>Skin contact</b> | : | pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                     |   | pCMV-Tag 1 Control Vector              | No known significant effects or critical hazards. |
|                     |   | XL1-Blue E. coli Strain                | No known significant effects or critical hazards. |

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**SECTION 4: First aid measures**

|                  |  |   |
|------------------|--|---|
| <b>Ingestion</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | No known significant effects or critical hazards. |
|                  | pCMV-Tag 1 Control<br>Vector                   | No known significant effects or critical hazards. |
|                  | XL1-Blue E. coli Strain                        | No known significant effects or critical hazards. |

**Over-exposure signs/symptoms**

|                    |  |                   |
|--------------------|--|-------------------|
| <b>Eye contact</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | No specific data. |
|                    | pCMV-Tag 1 Control<br>Vector                   | No specific data. |
|                    | XL1-Blue E. coli Strain                        | No specific data. |

|                   |  |                   |
|-------------------|--|-------------------|
| <b>Inhalation</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | No specific data. |
|                   | pCMV-Tag 1 Control<br>Vector                   | No specific data. |
|                   | XL1-Blue E. coli Strain                        | No specific data. |

|                     |  |                   |
|---------------------|--|-------------------|
| <b>Skin contact</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | No specific data. |
|                     | pCMV-Tag 1 Control<br>Vector                   | No specific data. |
|                     | XL1-Blue E. coli Strain                        | No specific data. |

|                  |  |                   |
|------------------|--|-------------------|
| <b>Ingestion</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | No specific data. |
|                  | pCMV-Tag 1 Control<br>Vector                   | No specific data. |
|                  | XL1-Blue E. coli Strain                        | No specific data. |

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

|                           |  |   |
|---------------------------|--|---|
| <b>Notes to physician</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
|                           | pCMV-Tag 1 Control<br>Vector                   | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
|                           | XL1-Blue E. coli Strain                        | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |

|                            |  |                        |
|----------------------------|--|------------------------|
| <b>Specific treatments</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | No specific treatment. |
|                            | pCMV-Tag 1 Control<br>Vector                   | No specific treatment. |
|                            | XL1-Blue E. coli Strain                        | No specific treatment. |

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

|                                     |  |   |
|-------------------------------------|--|---|
| <b>Suitable extinguishing media</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector | Use an extinguishing agent suitable for the surrounding fire. |
|                                     | pCMV-Tag 1 Control<br>Vector                   | Use an extinguishing agent suitable for the surrounding fire. |
|                                     | XL1-Blue E. coli Strain                        | Use an extinguishing agent suitable for the surrounding fire. |

## SECTION 5: Firefighting measures

|                                       |  |             |
|---------------------------------------|--|-------------|
| <b>Unsuitable extinguishing media</b> | : pCMV-Tag 1 Mammalian Expression Vector | None known. |
|                                       | pCMV-Tag 1 Control Vector                | None known. |
|                                       | XL1-Blue E. coli Strain                  | None known. |

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

|  |  |   |
|--|--|---|
| <b>Hazards from the substance or mixture</b> | : pCMV-Tag 1 Mammalian Expression Vector | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | pCMV-Tag 1 Control Vector                | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | XL1-Blue E. coli Strain                  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| <b>Hazardous combustion products</b>         | : pCMV-Tag 1 Mammalian Expression Vector | No specific data.   |
|  | pCMV-Tag 1 Control Vector                | No specific data.   |
|  | XL1-Blue E. coli Strain                  | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>halogenated compounds<br>metal oxide/oxides |

### 5.3 Advice for firefighters

|   |  |   |
|---|--|---|
| <b>Special precautions for fire-fighters</b>          | : pCMV-Tag 1 Mammalian Expression Vector | 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.   |
|   | pCMV-Tag 1 Control Vector                | 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.   |
|   | XL1-Blue E. coli Strain                  | 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> | : pCMV-Tag 1 Mammalian Expression Vector | 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. |
|   | pCMV-Tag 1 Control Vector                | 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. |
|   | XL1-Blue E. coli Strain                  | 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> | : pCMV-Tag 1 Mammalian Expression Vector | 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. |
|                                    | pCMV-Tag 1 Control Vector                | 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. |
|                                    | XL1-Blue E. coli Strain                  | 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>    | : pCMV-Tag 1 Mammalian Expression Vector | 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".   |
|                                    | pCMV-Tag 1 Control Vector                | 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".   |
|                                    | XL1-Blue E. coli Strain                  | 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

|  |   |
|--|---|
| : pCMV-Tag 1 Mammalian Expression Vector | 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). |
| pCMV-Tag 1 Control Vector                | 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). |
| XL1-Blue E. coli Strain                  | 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> | : pCMV-Tag 1 Mammalian Expression Vector | 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. |
|                                | pCMV-Tag 1 Control Vector                | 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. |
|                                | XL1-Blue E. coli Strain                  | 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. |

**pCMV-Tag1 Epitope Tagging Mammalian Expression Vectors, Part Number 211170**

**SECTION 6: Accidental release measures**

**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>                    | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector<br>pCMV-Tag 1 Control<br>Vector<br>XL1-Blue E. coli Strain         | Put on appropriate personal protective equipment (see Section 8).<br>Put on appropriate personal protective equipment (see Section 8).<br>Put on appropriate personal protective equipment (see Section 8).  |
| <b>Advice on general occupational hygiene</b> | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector<br><br>pCMV-Tag 1 Control<br>Vector<br><br>XL1-Blue E. coli Strain | 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.<br>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.<br>Potentially biohazardous material. 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**

|                |   |   |   |
|----------------|---|---|---|
| <b>Storage</b> | : | pCMV-Tag 1<br>Mammalian Expression<br>Vector<br><br>pCMV-Tag 1 Control<br>Vector<br><br>XL1-Blue E. coli Strain | 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.<br>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.<br>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 |
|----------------|---|---|---|



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**SECTION 7: Handling and storage**

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)**

|   |  |   |
|---|--|---|
| <b>Recommendations</b>                      | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Industrial applications, Professional applications.<br>Industrial applications, Professional applications.<br>Industrial applications, Professional applications. |
| <b>Industrial sector specific solutions</b> | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Not applicable.<br>Not applicable.<br>Not applicable.   |

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

**8.1 Control parameters**

Occupational exposure limits

| Product/ingredient name             | Exposure limit values  |
|-------------------------------------|--|
| XL1-Blue E. coli Strain<br>Glycerol | <b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist |

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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

No DNELs/DMELs available.

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** : Handle as biohazard material (Biosafety level 1). 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.

## SECTION 8: Exposure controls/personal protection

- 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

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                        |   |  |                |
|------------------------|---|--|----------------|
| <b>Physical state</b>  | : | pCMV-Tag 1 Mammalian Expression Vector | Liquid.        |
|                        |   | pCMV-Tag 1 Control Vector              | Liquid.        |
|                        |   | XL1-Blue E. coli Strain                | Liquid.        |
| <b>Colour</b>          | : | pCMV-Tag 1 Mammalian Expression Vector | Not available. |
|                        |   | pCMV-Tag 1 Control Vector              | Not available. |
|                        |   | XL1-Blue E. coli Strain                | Not available. |
| <b>Odour</b>           | : | pCMV-Tag 1 Mammalian Expression Vector | Not available. |
|                        |   | pCMV-Tag 1 Control Vector              | Not available. |
|                        |   | XL1-Blue E. coli Strain                | Not available. |
| <b>Odour threshold</b> | : | pCMV-Tag 1 Mammalian Expression Vector | Not available. |
|                        |   | pCMV-Tag 1 Control Vector              | Not available. |
|                        |   | XL1-Blue E. coli Strain                | Not available. |
| <b>pH</b>              | : | pCMV-Tag 1 Mammalian Expression Vector | 7.5            |
|                        |   | pCMV-Tag 1 Control Vector              | 7.5            |
|                        |   | XL1-Blue E. coli Strain                | 7.5            |

## SECTION 9: Physical and chemical properties

|   |  |                 |
|---|--|-----------------|
| <b>Melting point/freezing point</b>                 | : pCMV-Tag 1 Mammalian Expression Vector | 0°C             |
|   | pCMV-Tag 1 Control Vector                | 0°C             |
|   | XL1-Blue E. coli Strain                  | Not available.  |
| <b>Initial boiling point and boiling range</b>      | : pCMV-Tag 1 Mammalian Expression Vector | 100°C           |
|   | pCMV-Tag 1 Control Vector                | 100°C           |
|   | XL1-Blue E. coli Strain                  | Not available.  |
| <b>Flash point</b>                                  | : pCMV-Tag 1 Mammalian Expression Vector | Not available.  |
|   | pCMV-Tag 1 Control Vector                | Not available.  |
|   | XL1-Blue E. coli Strain                  | Not available.  |
| <b>Evaporation rate</b>                             | : pCMV-Tag 1 Mammalian Expression Vector | Not available.  |
|   | pCMV-Tag 1 Control Vector                | Not available.  |
|   | XL1-Blue E. coli Strain                  | Not available.  |
| <b>Flammability (solid, gas)</b>                    | : pCMV-Tag 1 Mammalian Expression Vector | Not applicable. |
|   | pCMV-Tag 1 Control Vector                | Not applicable. |
|   | XL1-Blue E. coli Strain                  | Not applicable. |
| <b>Upper/lower flammability or explosive limits</b> | : pCMV-Tag 1 Mammalian Expression Vector | Not available.  |
|   | pCMV-Tag 1 Control Vector                | Not available.  |
|   | XL1-Blue E. coli Strain                  | Not available.  |
| <b>Vapour pressure</b>                              | : pCMV-Tag 1 Mammalian Expression Vector | Not available.  |
|   | pCMV-Tag 1 Control Vector                | Not available.  |
|   | XL1-Blue E. coli Strain                  | Not available.  |
| <b>Vapour density</b>                               | : pCMV-Tag 1 Mammalian Expression Vector | Not available.  |
|   | pCMV-Tag 1 Control Vector                | Not available.  |
|   | XL1-Blue E. coli Strain                  | Not available.  |
| <b>Relative density</b>                             | : pCMV-Tag 1 Mammalian Expression Vector | Not available.  |
|   | pCMV-Tag 1 Control Vector                | Not available.  |
|   | XL1-Blue E. coli Strain                  | Not available.  |

**pCMV-Tag1 Epitope Tagging Mammalian Expression Vectors, Part Number 211170**

**SECTION 9: Physical and chemical properties**

|   |  |   |
|---|--|---|
| <b>Solubility(ies)</b>                        | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Easily soluble in the following materials: cold water and hot water.<br>Easily soluble in the following materials: cold water and hot water.<br>Soluble in the following materials: cold water and hot water. |
| <b>Partition coefficient: n-octanol/water</b> | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Not available.<br>Not available.<br>Not available.  |
| <b>Auto-ignition temperature</b>              | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Not available.<br>Not available.<br>Not available.  |
| <b>Decomposition temperature</b>              | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Not available.<br>Not available.<br>Not available.  |
| <b>Viscosity</b>                              | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Not available.<br>Not available.<br>Not available.  |
| <b>Explosive properties</b>                   | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Not available.<br>Not available.<br>Not available.  |
| <b>Oxidising properties</b>                   | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | Not available.<br>Not available.<br>Not available.  |

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

|                        |  |  |
|------------------------|--|--|
| <b>10.1 Reactivity</b> | : pCMV-Tag 1 Mammalian Expression Vector<br>pCMV-Tag 1 Control Vector<br>XL1-Blue E. coli Strain | No specific test data related to reactivity available for this product or its ingredients.<br>No specific test data related to reactivity available for this product or its ingredients.<br>No specific test data related to reactivity available for this product or its ingredients. |
|------------------------|--|--|

## SECTION 10: Stability and reactivity

|  |   |  |
|--|---|--|
| <b>10.2 Chemical stability</b>                 | : pCMV-Tag 1<br>Mammalian Expression<br>Vector<br>pCMV-Tag 1 Control<br>Vector<br>XL1-Blue E. coli Strain | The product is stable.<br><br>The product is stable.<br><br>The product is stable.   |
| <b>10.3 Possibility of hazardous reactions</b> | : pCMV-Tag 1<br>Mammalian Expression<br>Vector<br>pCMV-Tag 1 Control<br>Vector<br>XL1-Blue E. coli Strain | Under normal conditions of storage and use, hazardous reactions will not occur.<br><br>Under normal conditions of storage and use, hazardous reactions will not occur.<br><br>Under normal conditions of storage and use, hazardous reactions will not occur.  |
| <b>10.4 Conditions to avoid</b>                | : pCMV-Tag 1<br>Mammalian Expression<br>Vector<br>pCMV-Tag 1 Control<br>Vector<br>XL1-Blue E. coli Strain | No specific data.<br><br>No specific data.<br><br>No specific data.  |
| <b>10.5 Incompatible materials</b>             | : pCMV-Tag 1<br>Mammalian Expression<br>Vector<br>pCMV-Tag 1 Control<br>Vector<br>XL1-Blue E. coli Strain | May react or be incompatible with oxidising materials.<br><br>May react or be incompatible with oxidising materials.<br><br>May react or be incompatible with oxidising materials.   |
| <b>10.6 Hazardous decomposition products</b>   | : pCMV-Tag 1<br>Mammalian Expression<br>Vector<br>pCMV-Tag 1 Control<br>Vector<br>XL1-Blue E. coli Strain | Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br><br>Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br><br>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 |
|--|-----------|---------|------------|----------|
| XL1-Blue E. coli Strain<br>Sodium chloride | LD50 Oral | Rat     | 3000 mg/kg | -        |

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

| Product/ingredient name                    | Result                   | Species | Score | Exposure                | Observation |
|--|--------------------------|---------|-------|-------------------------|-------------|
| XL1-Blue E. coli Strain<br>Sodium chloride | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams | -           |
|  | Eyes - Moderate irritant | Rabbit  | -     | 10 milligrams           | -           |
|  | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |

#### Sensitiser

**Conclusion/Summary** : Not available.

## SECTION 11: Toxicological information

### 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)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

|  |  |
|--|--|
| pCMV-Tag 1 Mammalian Expression Vector | Not available.   |
| pCMV-Tag 1 Control Vector              | Not available.   |
| XL1-Blue E. coli Strain                | Routes of entry anticipated: Oral, Dermal, Inhalation. |

### Potential acute health effects

|                     |  |   |
|---------------------|--|---|
| <b>Inhalation</b>   | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                     | : pCMV-Tag 1 Control Vector              | No known significant effects or critical hazards. |
|                     | : XL1-Blue E. coli Strain                | No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                     | : pCMV-Tag 1 Control Vector              | No known significant effects or critical hazards. |
|                     | : XL1-Blue E. coli Strain                | No known significant effects or critical hazards. |
| <b>Skin contact</b> | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                     | : pCMV-Tag 1 Control Vector              | No known significant effects or critical hazards. |
|                     | : XL1-Blue E. coli Strain                | No known significant effects or critical hazards. |
| <b>Eye contact</b>  | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                     | : pCMV-Tag 1 Control Vector              | No known significant effects or critical hazards. |
|                     | : XL1-Blue E. coli Strain                | No known significant effects or critical hazards. |

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

|                   |  |                   |
|-------------------|--|-------------------|
| <b>Inhalation</b> | : pCMV-Tag 1 Mammalian Expression Vector | No specific data. |
|                   | : pCMV-Tag 1 Control Vector              | No specific data. |
|                   | : XL1-Blue E. coli Strain                | No specific data. |



## SECTION 11: Toxicological information

|                     |  |                   |
|---------------------|--|-------------------|
| <b>Ingestion</b>    | : pCMV-Tag 1 Mammalian Expression Vector | No specific data. |
|                     | pCMV-Tag 1 Control Vector                | No specific data. |
|                     | XL1-Blue E. coli Strain                  | No specific data. |
| <b>Skin contact</b> | : pCMV-Tag 1 Mammalian Expression Vector | No specific data. |
|                     | pCMV-Tag 1 Control Vector                | No specific data. |
|                     | XL1-Blue E. coli Strain                  | No specific data. |
| <b>Eye contact</b>  | : pCMV-Tag 1 Mammalian Expression Vector | No specific data. |
|                     | pCMV-Tag 1 Control Vector                | No specific data. |
|                     | XL1-Blue E. coli Strain                  | 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

|                        |  |   |
|------------------------|--|---|
| <b>General</b>         | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                        | pCMV-Tag 1 Control Vector                | No known significant effects or critical hazards. |
|                        | XL1-Blue E. coli Strain                  | No known significant effects or critical hazards. |
| <b>Carcinogenicity</b> | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                        | pCMV-Tag 1 Control Vector                | No known significant effects or critical hazards. |
|                        | XL1-Blue E. coli Strain                  | No known significant effects or critical hazards. |
| <b>Mutagenicity</b>    | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                        | pCMV-Tag 1 Control Vector                | No known significant effects or critical hazards. |
|                        | XL1-Blue E. coli Strain                  | No known significant effects or critical hazards. |
| <b>Teratogenicity</b>  | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                        | pCMV-Tag 1 Control Vector                | No known significant effects or critical hazards. |
|                        | XL1-Blue E. coli Strain                  | No known significant effects or critical hazards. |

## SECTION 11: Toxicological information

|                              |  |   |
|------------------------------|--|---|
| <b>Developmental effects</b> | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                              | pCMV-Tag 1 Control Vector                | No known significant effects or critical hazards. |
|                              | XL1-Blue E. coli Strain                  | No known significant effects or critical hazards. |
| <b>Fertility effects</b>     | : pCMV-Tag 1 Mammalian Expression Vector | No known significant effects or critical hazards. |
|                              | pCMV-Tag 1 Control Vector                | No known significant effects or critical hazards. |
|                              | XL1-Blue E. coli Strain                  | No known significant effects or critical hazards. |

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name                    | Result                              | Species   | Exposure |
|--|-------------------------------------|---|----------|
| XL1-Blue E. coli Strain<br>Sodium chloride | Acute EC50 4.74 g/L Fresh water     | Algae - Chlamydomonas reinhardtii   | 96 hours |
|  | Acute EC50 519.6 mg/l Fresh water   | Crustaceans - Cypris subglobosa   | 48 hours |
|  | Acute EC50 402600 µg/l Fresh water  | Daphnia - Daphnia magna   | 48 hours |
|  | Acute IC50 6.87 g/L Fresh water     | Aquatic plants - Lemna minor  | 96 hours |
|  | Acute LC50 1000000 µg/l Fresh water | Fish - Morone saxatilis - Larvae  | 96 hours |
|  | Chronic LC10 781 mg/l Fresh water   | Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) | 3 weeks  |
|  | Chronic NOEC 6 g/L Fresh water      | Aquatic plants - Lemna minor  | 96 hours |
|  | Chronic NOEC 0.314 g/L Fresh water  | Daphnia - Daphnia pulex   | 21 days  |
|  | Chronic NOEC 100 mg/l Fresh water   | Fish - Gambusia holbrooki - Adult   | 8 weeks  |

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 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

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 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** : Not regulated.

**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 Annex II of Marpol and the IBC Code** : 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.

|   |   |                 |
|---|---|-----------------|
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | <b>pCMV-Tag 1 Mammalian Expression Vector</b> | Not applicable. |
|   | <b>pCMV-Tag 1 Control Vector</b>              | Not applicable. |
|   | <b>XL1-Blue E. coli Strain</b>                | Not applicable. |

#### Other EU regulations

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

Not listed.

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

Not listed.

##### Seveso Directive

This product is not controlled under the Seveso Directive.

#### International regulations

## SECTION 15: Regulatory information

### [Chemical Weapon Convention List Schedules I, II & III Chemicals](#)

Not listed.

### [Montreal Protocol \(Annexes A, B, C, E\)](#)

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](#)

|                                   |  |
|-----------------------------------|--|
| <a href="#">Australia</a>         | : All components are listed or exempted.   |
| <a href="#">Canada</a>            | : Not determined.  |
| <a href="#">China</a>             | : All components are listed or exempted.   |
| <a href="#">Europe</a>            | : All components are listed or exempted.   |
| <a href="#">Japan</a>             | : <input checked="" type="checkbox"/> <a href="#">Japan inventory (ENCS)</a> : All components are listed or exempted.<br><input checked="" type="checkbox"/> <a href="#">Japan inventory (ISHL)</a> : All components are listed or exempted. |
| <a href="#">Malaysia</a>          | : Not determined.  |
| <a href="#">New Zealand</a>       | : All components are listed or exempted.   |
| <a href="#">Philippines</a>       | : Not determined.  |
| <a href="#">Republic of Korea</a> | : All components are listed or exempted.   |
| <a href="#">Taiwan</a>            | : All components are listed or exempted.   |
| <a href="#">Thailand</a>          | : <input checked="" type="checkbox"/> Not determined.  |
| <a href="#">Turkey</a>            | : Not determined.  |
| <a href="#">United States</a>     | : All components are listed or exempted.   |
| <a href="#">Viet Nam</a>          | : <input checked="" type="checkbox"/> 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](#)

: ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number

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

| <a href="#">Classification</a> | <a href="#">Justification</a> |
|--------------------------------|-------------------------------|
| Not classified.                |                               |

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

|  |                                |
|--|--------------------------------|
| <b>XL1-Blue E. coli Strain</b><br>H319 | Causes serious eye irritation. |
|--|--------------------------------|

### [Full text of classifications \[CLP/GHS\]](#)

*pCMV-Tag1 Epitope Tagging Mammalian Expression Vectors, Part Number 211170*

## SECTION 16: Other information

|  |  |
|--|--|
| <b>XL1-Blue E. coli Strain</b><br>Eye Irrit. 2, H319 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
|--|--|

**Date of issue/ Date of revision** : 24/09/2018

**Date of previous issue** : 29/03/2017

**Version** : 2

### Notice to reader

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