SAFETY DATA SHEET



pCMV-Tag4 Epitope Tagging Mammalian Expression Vectors, Part Number 211174

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

1.1 Product identifier

Product name : pCMV-Tag4 Epitope Tagging Mammalian Expression Vectors, Part Number 211174

Part no. (chemical kit) 211174

Part no. : pCMV-Tag4A 211174-51

Mammalian Expression

Vector

pCMV-Tag4B 211174-52

Mammalian Expression

Vector

pCMV-Tag4C 211174-53

Mammalian Expression

Vector

pCMV-Tag4 Expression 211174-54

Control Plasmid

XL1-Blue E. coli Strain 200268-81

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

Identified uses : Analytical reagent.

> pCMV-Tag4A Mammalian Expression Vector $20 \mu l (20 \mu g \ 1 \mu g/\mu l)$ pCMV-Tag4B Mammalian Expression Vector $20 \mu l (20 \mu g \ 1 \mu g/\mu l)$ pCMV-Tag4C Mammalian Expression Vector 20 μl (20 μg 1 μg/μl) pCMV-Tag4 Expression Control Plasmid 20 μl (20 μg 1 μg/μl)

XL1-Blue E. coli Strain 500 µl

: None known. **Uses advised against**

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 : pdl-msds author@agilent.com

responsible for this SDS

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

Product definition : pCMV-Tag4A Mixture

Mammalian Expression

Vector

pCMV-Tag4B Mixture

Mammalian Expression

Vector

pCMV-Tag4C Mixture

Mammalian Expression

Vector

pCMV-Tag4 Expression Mixture

Control Plasmid

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SECTION 2: Hazards identification

XL1-Blue E. coli Strain Mixture

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

Not classified.

pCMV-Tag4A Mammalian The product is not classified as hazardous according to Regulation (EC)

Expression Vector 1272/2008 as amended.

pCMV-Tag4B Mammalian The product is not classified as hazardous according to Regulation (EC)

Expression Vector 1272/2008 as amended.

pCMV-Tag4C Mammalian The product is not classified as hazardous according to Regulation (EC)

Expression Vector 1272/2008 as amended.

pCMV-Tag4 Expression Control The product is not classified as hazardous according to Regulation (EC)

Plasmid 1272/2008 as amended.

XL1-Blue E. coli Strain The product is not classified as hazardous according to Regulation (EC)

1272/2008 as amended.

Ingredients of unknown toxicity

: XL1-Blue E. coli Strain Percentage of the mixture consisting of ingredient(s) of

unknown acute 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

: pCMV-Tag4A Signal word No signal word.

Mammalian Expression

Vector

pCMV-Tag4B No signal word.

Mammalian Expression

Vector

pCMV-Tag4C No signal word.

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain No signal word.

Hazard statements pCMV-Taq4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No known significant effects or critical hazards.

Not applicable.

Not applicable.

Not applicable.

No signal word.

Precautionary statements

Prevention : pCMV-Tag4A Not applicable.

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Not applicable. Mammalian Expression

Vector

pCMV-Tag4 Expression

XL1-Blue E. coli Strain

Control Plasmid

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SECTION 2: Hazards identification

Storage

Disposal

Supplemental label

Annex XVII - Restrictions

on the manufacture,

and use of certain

placing on the market

elements

: pCMV-Tag4A Response Not applicable.

Mammalian Expression

Vector

pCMV-Tag4B Not applicable.

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Not applicable. pCMV-Tag4A Not applicable.

Mammalian Expression Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

: pCMV-Tag4A Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

: pCMV-Tag4A

Mammalian Expression Vector

pCMV-Tag4B

Mammalian Expression

dangerous substances, Vector mixtures and articles

pCMV-Taq4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Not applicable.

Not applicable.

Special packaging requirements

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Mammalian Expression

SECTION 2: Hazards identification

Tactile warning of danger

: pCMV-Tag4A

Not applicable.

Vector

pCMV-Tag4B

Not applicable.

Mammalian Expression Vector

pCMV-Tag4C

Mammalian Expression

Not applicable.

Vector

pCMV-Tag4 Expression

Not applicable.

Control Plasmid

XL1-Blue E. coli Strain

Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

This mixture does not contain any substances that are

assessed to be a PBT or a vPvB.

This mixture does not contain any substances that are

assessed to be a PBT or a vPvB.

This mixture does not contain any substances that are

assessed to be a PBT or a vPvB.

This mixture does not contain any substances that are

assessed to be a PBT or a vPvB.

This mixture does not contain any substances that are

assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

None known.

None known.

None known.

None known.

None known.

SECTION 3: Composition/information on ingredients

3.1 Substances

: pCMV-Tag4A Mammalian **Expression Vector**

pCMV-Tag4B Mammalian

Mixture

Mixture

Expression Vector

pCMV-Tag4C Mammalian

Mixture

Expression Vector

pCMV-Tag4 Expression Control

Mixture

Plasmid

XL1-Blue E. coli Strain

Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
XL1-Blue E. coli Strain					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	-	[1]

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pCMV-Tag4 Epitope Tagging Mammalian Expression Vectors, Part Number 211174 SECTION 3: Composition/information on ingredients						

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

XL1-Blue E. coli Strain

[1] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: pCMV-Tag4A Mammalian Expression Vector

pCMV-Tag4B

Mammalian Expression

Vector pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression Control Plasmid

XL1-Blue E. coli Strain

Inhalation

: pCMV-Tag4A Mammalian Expression

Vector pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Skin contact

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

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.

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. 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. 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.

any contact lenses. Get medical attention if irritation occur 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.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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

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

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

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

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

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SECTION 4: First aid measures

Ingestion

: pCMV-Tag4A

Mammalian Expression

Vector

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.

pCMV-Tag4B

Mammalian Expression

Vector

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.

pCMV-Tag4C

Mammalian Expression

Vector

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.

pCMV-Tag4 Expression

Control Plasmid

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.

XL1-Blue E. coli Strain

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

symptoms occur.

Protection of first-aiders

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No action shall be taken involving any personal risk or

without suitable training.

No action shall be taken involving any personal risk or

without suitable training.

No action shall be taken involving any personal risk or

without suitable training.

No action shall be taken involving any personal risk or

without suitable training.

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

Eye contact

Inhalation

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid XL1-Blue E. coli Strain

: pCMV-Tag4A Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

No known significant effects or critical hazards.

No known significant effects or critical hazards. No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

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SECTION 4: First aid measures pCMV-Tag4 Expression No known significant effects or critical hazards. Control Plasmid XL1-Blue E. coli Strain No known significant effects or critical hazards. Skin contact : pCMV-Tag4A No known significant effects or critical hazards. Mammalian Expression Vector pCMV-Tag4B No known significant effects or critical hazards. Mammalian Expression Vector pCMV-Tag4C No known significant effects or critical hazards. Mammalian Expression Vector pCMV-Tag4 Expression No known significant effects or critical hazards. Control Plasmid XL1-Blue E. coli Strain No known significant effects or critical hazards. Ingestion : pCMV-Tag4A No known significant effects or critical hazards. Mammalian Expression Vector pCMV-Tag4B No known significant effects or critical hazards. Mammalian Expression Vector pCMV-Tag4C No known significant effects or critical hazards. Mammalian Expression Vector pCMV-Tag4 Expression No known significant effects or critical hazards. Control Plasmid XL1-Blue E. coli Strain No known significant effects or critical hazards. Over-exposure signs/symptoms : pCMV-Tag4A **Eye contact** No specific data. Mammalian Expression Vector pCMV-Tag4B No specific data. Mammalian Expression Vector pCMV-Tag4C No specific data. Mammalian Expression pCMV-Tag4 Expression No specific data. Control Plasmid XL1-Blue E. coli Strain No specific data. Inhalation : pCMV-Tag4A No specific data. Mammalian Expression Vector pCMV-Tag4B No specific data. Mammalian Expression Vector pCMV-Tag4C No specific data. Mammalian Expression pCMV-Tag4 Expression No specific data. Control Plasmid XL1-Blue E. coli Strain No specific data. **Skin contact** pCMV-Tag4A No specific data. Mammalian Expression Vector pCMV-Tag4B No specific data. Mammalian Expression Vector pCMV-Tag4C No specific data.

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No specific data.

Mammalian Expression

pCMV-Tag4 Expression

Vector

SECTION 4: First aid measures

Ingestion

Control Plasmid

XL1-Blue E. coli Strain No specific data. : pCMV-Tag4A No specific data.

No specific data.

No specific data.

No specific data.

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : pCMV-Tag4A Treat symptomatically. Contact poison treatment specialist Mammalian Expression

Vector

pCMV-Taq4B

Mammalian Expression

Vector

pCMV-Tag4C Mammalian Expression

Vector

pCMV-Tag4 Expression Control Plasmid

XL1-Blue E. coli Strain

immediately if large quantities have been ingested or inhaled.

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

: pCMV-Taq4A **Specific treatments**

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

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SECTION 5: Firefighting measures

Unsuitable extinguishing media

pCMV-Tag4A

None known. Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

None known.

None known.

None known.

None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

In a fire or if heated, a pressure increase will occur and the container may burst.

In a fire or if heated, a pressure increase will occur and the

container may burst.

In a fire or if heated, a pressure increase will occur and the

container may burst.

In a fire or if heated, a pressure increase will occur and the

container may burst.

In a fire or if heated, a pressure increase will occur and the

container may burst.

Hazardous combustion products

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No specific data.

No specific data.

No specific data.

No specific data.

Decomposition products may include the following materials:

carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides

5.3 Advice for firefighters

Special precautions for fire-fighters

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

pCMV-Tag4 Expression

Control Plasmid

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. 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. 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. 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. 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.

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SECTION 5: Firefighting measures

Special protective equipment for fire-fighters

pCMV-Tag4A
 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-Tag4B 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.

basic level of protection for chemical incidents.

pCMV-Tag4C

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

pCMV-Tag4 Expression Control Plasmid

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

For non-emergency personnel

: pCMV-Tag4A 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-Tag4B

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-Tag4C

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-Tag4 Expression

Control Plasmid

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 anv

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.

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SECTION 6: Accidental release measures

For emergency responders

: pCMV-Tag4A 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-Tag4B 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-Tag4C

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-Tag4 Expression Control Plasmid

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-Tag4A 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-Tag4B 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-Tag4C 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-Tag4 Expression Control Plasmid 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

Methods for cleaning up

pCMV-Tag4A 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-Tag4B 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-Tag4C 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-Tag4 Expression Control Plasmid

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.

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SECTION 6: Accidental release measures

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.

6.4 Reference to other sections

: See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

: pCMV-Tag4A Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Put on appropriate personal protective equipment (see Section 8).

Put on appropriate personal protective equipment (see

Section 8).

Put on appropriate personal protective equipment (see

Section 8).

Put on appropriate personal protective equipment (see

Section 8).

Put on appropriate personal protective equipment (see

Section 8).

Advice on general occupational hygiene : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Vector

Mammalian Expression

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression Control Plasmid

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. 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. 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.

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.

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

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SECTION 7: Handling and storage

Storage

pCMV-Tag4A Mammalian Expression Vector

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.

pCMV-Tag4B Mammalian Expression Vector

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.

pCMV-Tag4C Mammalian Expression Vector

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.

pCMV-Tag4 Expression Control Plasmid

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.

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

7.3 Specific end use(s) Recommendations

: pCMV-Tag4A Mammalian Expression

Vector

before handling or use.

Industrial applications, Professional applications.

pCMV-Tag4B Mammalian Expression Vector

Industrial applications, Professional applications.

pCMV-Tag4C Mammalian Expression Vector

Industrial applications, Professional applications.

pCMV-Tag4 Expression

Industrial applications, Professional applications.

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SECTION 7: Handling and storage

Control Plasmid

XL1-Blue E. coli Strain Industrial applications, Professional applications.

Industrial sector specific solutions

pCMV-Tag4A

Not available.

Mammalian Expression Vector

pCMV-Tag4B

Not available.

Mammalian Expression

Vector

pCMV-Tag4C

Not available.

Mammalian Expression

Vector

pCMV-Tag4 Expression

Not available.

Control Plasmid

XL1-Blue E. coli Strain Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values		
XL1-Blue E. coli Strain			
Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational		
	Exposure Limit Values (OELVs)		
	OELV-8hr: 10 mg/m ³ 8 hours. Form: mist		

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

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.

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 sideshields.

Skin protection

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SECTION 8: Exposure controls/personal 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

Odour

Physical state : pCMV-Tag4A Liquid.

Mammalian Expression

Vector

pCMV-Tag4B Liquid.

Mammalian Expression

Vector

pCMV-Tag4C Liquid.

Mammalian Expression

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Liquid.

Not available.

Not available.

Liquid.

Colour : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C Mammalian Expression Not available.

pCMV-Tag4 Expression

Not available.

Control Plasmid

XL1-Blue E. coli Strain

Not available.

: pCMV-Tag4A

Not available.

Mammalian Expression

Vector

Not available. pCMV-Tag4B

Mammalian Expression

Vector

Not available.

Not available.

pCMV-Tag4C Mammalian Expression

Vector

pCMV-Tag4 Expression Control Plasmid

XL1-Blue E. coli Strain Not available.

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SECTION 9: Physical and chemical properties

: pCMV-Tag4A **Odour threshold** Not available.

Vector

pCMV-Tag4B Not available.

Mammalian Expression

Mammalian Expression

Vector

pCMV-Tag4C Not available.

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain Not available.

Melting point/freezing point

: pCMV-Tag4A Mammalian Expression

0°C

0°C

0°C

Not applicable.

Not applicable.

Not applicable.

Not available.

Not available.

Not available.

Vector

pCMV-Tag4B 0°C

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain Not available. 100°C

Initial boiling point and boiling range

Flammability

or explosive limits

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B 100°C

Mammalian Expression

Vector

pCMV-Tag4C 100°C

Mammalian Expression

Vector

pCMV-Tag4 Expression 100°C

Control Plasmid

XL1-Blue E. coli Strain Not available. Not applicable.

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Not applicable. Not available.

Upper/lower flammability : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression Not available.

Control Plasmid

XL1-Blue E. coli Strain Not available.

Flash point

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SECTION 9: Physical and chemical properties

		ci c			Clos	sed cup		Open cup	
		Ingredient name °C		Method				Method	
		XL1-Blue E. coli Strain		•		Wethou	_		Wiethou
		ALT-Blue E. Coll Straill							
		glycerol		-		-	177		-
Auto-ignition	:	Ingredient name			°C	;	Meth	od	
temperature		XL1-Blue E. coli Strain							
		glycerol			370)	-		
Decomposition temperature	:	pCMV-Tag4A Mammalian Expression Vector	Not available.						
		pCMV-Tag4B Mammalian Expression Vector	Not available.						
		pCMV-Tag4C Mammalian Expression Vector	Not available.						
		pCMV-Tag4 Expression Control Plasmid	Not available.						
		XL1-Blue E. coli Strain	Not available.						
рН	:	pCMV-Tag4A Mammalian Expression Vector	7.5						
		pCMV-Tag4B Mammalian Expression Vector	7.5						
		pCMV-Tag4C Mammalian Expression Vector	7.5						
		pCMV-Tag4 Expression Control Plasmid	7.5						
Vicecity	_	XL1-Blue E. coli Strain	7.5						
Viscosity	:	pCMV-Tag4A Mammalian Expression Vector	Not available.						
		pCMV-Tag4B Mammalian Expression Vector	Not available.						
		pCMV-Tag4C Mammalian Expression Vector	Not available.						
		pCMV-Tag4 Expression Control Plasmid	Not available.						
		XL1-Blue E. coli Strain	Not available.						
Solubility(ies)	:	Media				Result			
		pCMV-Tag4A Mammalian Expression Vector water pCMV-Tag4B Mammalian Expression Vector			5	Soluble			
		water pCMV-Tag4C Mammalian Expression Vector			5	Soluble			
		water pCMV-Tag4 Expression Control Plasmid				Soluble			
water				3	Soluble				

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Soluble

XL1-Blue E. coli Strain

water

SECTION 9: Physical and chemical properties

Partition coefficient: n-octanol/water

pCMV-Tag4A Not applicable.

Mammalian Expression

Vector

pCMV-Tag4B Not applicable.

Mammalian Expression

Vector

pCMV-Tag4C Not applicable.

Mammalian Expression

Vector

pCMV-Tag4 Expression No

Not applicable.

Control Plasmid

XL1-Blue E. coli Strain Not applicable.

Vapour pressure

	Vapour Pressure at 20°C			Vapour pressure at 50°C				
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
pCMV-Tag4A Mammalian Expression Vector								
water	17.5	2.3	-	92.258	12.3	-		
pCMV-Tag4B Mammalian Expression Vector								
water	17.5	2.3	-	92.258	12.3	-		
pCMV-Tag4C Mammalian Expression Vector								
water	17.5	2.3	-	92.258	12.3	-		
pCMV-Tag4 Expression Control Plasmid								
water	17.5	2.3	-	92.258	12.3	-		
XL1-Blue E. coli Strain								
water	17.5	2.3	-	92.258	12.3	-		
glycerol	0.000075	0.00001	-	0.0025	0.00033	_		

Evaporation rate

: pCMV-Tag4A Not available.

Mammalian Expression

Vector

pCMV-Tag4B Not available.

Mammalian Expression

Vector

pCMV-Tag4C Not available.

Mammalian Expression

/ector

pCMV-Tag4 Expression Not available.

Control Plasmid

XL1-Blue E. coli Strain Not available.

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SECTION 9: Physical and chemical properties

Relative density pCMV-Tag4A Not available.

Mammalian Expression

Vector

pCMV-Tag4B Not available.

Mammalian Expression

Vector

pCMV-Tag4C Not available.

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

Not available. XL1-Blue E. coli Strain

Not available.

pCMV-Tag4A Not available. Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Oxidising properties : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Not available.

Particle characteristics

Vapour density

Explosive properties

Median particle size : pCMV-Tag4A Not applicable.

Mammalian Expression

Vector pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Not applicable.

Not applicable.

Not applicable.

Not applicable.

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SECTION 9: Physical and chemical properties

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No specific test data related to reactivity available for this

product or its ingredients.

No specific test data related to reactivity available for this

product or its ingredients.

No specific test data related to reactivity available for this

product or its ingredients.

No specific test data related to reactivity available for this

product or its ingredients.

No specific test data related to reactivity available for this

product or its ingredients.

10.2 Chemical stability

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

The product is stable.

10.3 Possibility of hazardous reactions : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

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

Under normal conditions of storage and use, hazardous

reactions will not occur.

Under normal conditions of storage and use, hazardous

reactions will not occur.

Under normal conditions of storage and use, hazardous

reactions will not occur.

Under normal conditions of storage and use, hazardous

reactions will not occur.

10.4 Conditions to avoid

: pCMV-Tag4A

Mammalian Expression

Vector pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No specific data.

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SECTION 10: Stability and reactivity

10.5 Incompatible

materials

pCMV-Tag4A

. Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

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

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

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

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

Not available.

Acute toxicity estimates

N/A

Irritation/Corrosion

Conclusion/Summary: Not available.

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)

Not available.

Aspiration hazard

Not available.

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SECTION 11: Toxicological information

Information on likely routes of exposure

pCMV-Tag4A

Mammalian Expression Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Not available.

Not available.

Not available.

Not available.

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Inhalation

Ingestion

Eye contact

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid XL1-Blue E. coli Strain

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

pCMV-Tag4 Expression Control Plasmid

XL1-Blue E. coli Strain

Skin contact : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No known significant effects or critical hazards.

No known significant effects or critical hazards. No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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SECTION 11: Toxicological information

Inhalation : pCMV-Tag4A No specific data.

Mammalian Expression

Vector

pCMV-Tag4B No specific data.

Mammalian Expression

Vector

pCMV-Tag4C No specific data.

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain No specific data.
pCMV-Taq4A No specific data.

Ingestion : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Eye contact : pCMV-Tag4A Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Marinia Mostor

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

No specific data.

No specific data.

No specific data.

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

Short term exposure

Potential immediate

effects

Skin contact

: Not available.

Potential delayed

effects

: Not available.

Long term exposure

Potential immediate

effects

effects

: Not available.

Potential delayed

: Not available.

Potential chronic health effects

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SECTION 11: Toxicological information

Conclusion/Summary

Carcinogenicity

Mutagenicity

: Not available.

General

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

: pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid XL1-Blue E. coli Strain

: pCMV-Tag4A

Mammalian Expression

Vector pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Reproductive toxicity : pCMV-Tag4A

Mammalian Expression

Vector

pCMV-Tag4B

Mammalian Expression

Vector

pCMV-Tag4C

Mammalian Expression

Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

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.

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SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition

: Not available.

coefficient (Koc)

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	-	-	-

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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

No listed substance

Label : pCMV-Tag4A Mammalian

Expression Vector

pCMV-Tag4B Mammalian

Expression Vector

pCMV-Tag4C Mammalian

Expression Vector

pCMV-Tag4 Expression

Control Plasmid

XL1-Blue E. coli Strain

Not applicable.

Not applicable.

Not applicable.

Not applicable.

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.

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SECTION 15: Regulatory information

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.

Canada : Not determined.

China : All components are listed or exempted.

Eurasian Economic

Union

: Russian Federation inventory: All components are listed or exempted.

Japan : Japan inventory (CSCL): All components are listed or exempted.

Japan inventory (ISHL): All components are listed or exempted.

New Zealand : All components are listed or exempted.

Philippines : Not determined.

Republic of Korea : All components are listed or exempted.

Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : Not determined.

United States : All components are active or exempted.Viet Nam : All components are listed or exempted.

15.2 Chemical safety

assessment

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

be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/20081

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification				
Not classified.					

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

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SECTION 16: Other information

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Notice to reader

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