

# SAFETY DATA SHEET



InterPlay N-terminal Mammalian TAP Vectors, Part Number 240101

## Section 1. Identification

### 1.1 Product identifier

**Product name** : InterPlay N-terminal Mammalian TAP Vectors, Part Number 240101

**Part no. (chemical kit)** : 240101

**Part no.** :

pNTAP-A Expression Vector	240101-51
pNTAP-B Expression Vector	240101-52
pNTAP-C Expression Vector	240101-53
pCMV-Tag2-Mef2c Expression Control Vector	240101-54
pNTAP-Mef2a Expression Control Vector	240101-55

**Validation date** : 6/25/2021

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

**Material uses** : Analytical reagent.

pNTAP-A Expression Vector	0.02 ml (20 µg 1 µg/µl)
pNTAP-B Expression Vector	0.02 ml (20 µg 1 µg/µl)
pNTAP-C Expression Vector	0.02 ml (20 µg 1 µg/µl)
pCMV-Tag2-Mef2c Expression Control Vector	0.03 ml (30 µg 1 µg/µl)
pNTAP-Mef2a Expression Control Vector	0.03 ml (30 µg 1 µg/µl)

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

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 800-227-9770

### 1.4 Emergency telephone number

**In case of emergency** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

**OSHA/HCS status** :

pNTAP-A Expression Vector	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
pNTAP-B Expression Vector	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
pNTAP-C Expression Vector	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
pCMV-Tag2-Mef2c Expression Control Vector	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product.

## Section 2. Hazards identification

pNTAP-Mef2a Expression  
Control Vector

This SDS should be retained and available for employees and other users of this product.

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### Classification of the substance or mixture

Not classified.

### 2.2 GHS label elements

#### Signal word

- |   |  |                 |
|---|--|-----------------|
| : | pNTAP-A Expression Vector                    | No signal word. |
|   | pNTAP-B Expression Vector                    | No signal word. |
|   | pNTAP-C Expression Vector                    | No signal word. |
|   | pCMV-Tag2-Mef2c Expression<br>Control Vector | No signal word. |
|   | pNTAP-Mef2a Expression Control<br>Vector     | No signal word. |

#### Hazard statements

- |   |  |   |
|---|--|---|
| : | pNTAP-A Expression Vector                    | No known significant effects or critical hazards. |
|   | pNTAP-B Expression Vector                    | No known significant effects or critical hazards. |
|   | pNTAP-C Expression Vector                    | No known significant effects or critical hazards. |
|   | pCMV-Tag2-Mef2c Expression<br>Control Vector | No known significant effects or critical hazards. |
|   | pNTAP-Mef2a Expression Control<br>Vector     | No known significant effects or critical hazards. |

### Precautionary statements

#### Prevention

- |   |  |                 |
|---|--|-----------------|
| : | pNTAP-A Expression Vector                    | Not applicable. |
|   | pNTAP-B Expression Vector                    | Not applicable. |
|   | pNTAP-C Expression Vector                    | Not applicable. |
|   | pCMV-Tag2-Mef2c Expression<br>Control Vector | Not applicable. |
|   | pNTAP-Mef2a Expression Control<br>Vector     | Not applicable. |

#### Response

- |   |  |                 |
|---|--|-----------------|
| : | pNTAP-A Expression Vector                    | Not applicable. |
|   | pNTAP-B Expression Vector                    | Not applicable. |
|   | pNTAP-C Expression Vector                    | Not applicable. |
|   | pCMV-Tag2-Mef2c Expression<br>Control Vector | Not applicable. |
|   | pNTAP-Mef2a Expression Control<br>Vector     | Not applicable. |

#### Storage

- |   |  |                 |
|---|--|-----------------|
| : | pNTAP-A Expression Vector                    | Not applicable. |
|   | pNTAP-B Expression Vector                    | Not applicable. |
|   | pNTAP-C Expression Vector                    | Not applicable. |
|   | pCMV-Tag2-Mef2c Expression<br>Control Vector | Not applicable. |
|   | pNTAP-Mef2a Expression Control<br>Vector     | Not applicable. |

#### Disposal

- |   |  |                 |
|---|--|-----------------|
| : | pNTAP-A Expression Vector                    | Not applicable. |
|   | pNTAP-B Expression Vector                    | Not applicable. |
|   | pNTAP-C Expression Vector                    | Not applicable. |
|   | pCMV-Tag2-Mef2c Expression<br>Control Vector | Not applicable. |
|   | pNTAP-Mef2a Expression Control<br>Vector     | Not applicable. |

## Section 2. Hazards identification

<b>Supplemental label elements</b>	:	pNTAP-A Expression Vector	None known.
		pNTAP-B Expression Vector	None known.
		pNTAP-C Expression Vector	None known.
		pCMV-Tag2-Mef2c Expression Control Vector	None known.
		pNTAP-Mef2a Expression Control Vector	None known.

### 2.3 Other hazards

<b>Hazards not otherwise classified</b>	:	pNTAP-A Expression Vector	None known.
		pNTAP-B Expression Vector	None known.
		pNTAP-C Expression Vector	None known.
		pCMV-Tag2-Mef2c Expression Control Vector	None known.
		pNTAP-Mef2a Expression Control Vector	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	:	pNTAP-A Expression Vector	Mixture
		pNTAP-B Expression Vector	Mixture
		pNTAP-C Expression Vector	Mixture
		pCMV-Tag2-Mef2c Expression Control Vector	Mixture
		pNTAP-Mef2a Expression Control Vector	Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	:	pNTAP-A 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.
		pNTAP-B 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.
		pNTAP-C 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-Tag2-Mef2c Expression 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.
		pNTAP-Mef2a Expression 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.

## Section 4. First aid measures

<b>Inhalation</b>	: pNTAP-A Expression Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pNTAP-B Expression Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pNTAP-C Expression Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pCMV-Tag2-Mef2c Expression Control Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pNTAP-Mef2a Expression Control Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: pNTAP-A Expression Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pNTAP-B Expression Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pNTAP-C Expression Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pCMV-Tag2-Mef2c Expression Control Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pNTAP-Mef2a Expression Control Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: pNTAP-A 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.
	pNTAP-B 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.
	pNTAP-C 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-Tag2-Mef2c Expression 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.
	pNTAP-Mef2a Expression Control Vector	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable

## Section 4. First aid measures

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.

### 4.2 Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control 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.
<b>Inhalation</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control 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.
<b>Skin contact</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control 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.
<b>Ingestion</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control 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.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	No specific data. No specific data. No specific data. No specific data. No specific data.
<b>Inhalation</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	No specific data. No specific data. No specific data. No specific data. No specific data.
<b>Skin contact</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	No specific data. No specific data. No specific data. No specific data. No specific data.

## Section 4. First aid measures

<b>Ingestion</b>	:	pNTAP-A Expression Vector	No specific data.
		pNTAP-B Expression Vector	No specific data.
		pNTAP-C Expression Vector	No specific data.
		pCMV-Tag2-Mef2c Expression Control Vector	No specific data.
		pNTAP-Mef2a Expression Control Vector	No specific data.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	:	pNTAP-A Expression Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pNTAP-B Expression Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pNTAP-C Expression Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pCMV-Tag2-Mef2c Expression Control Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pNTAP-Mef2a Expression Control Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	:	pNTAP-A Expression Vector	No specific treatment.
		pNTAP-B Expression Vector	No specific treatment.
		pNTAP-C Expression Vector	No specific treatment.
		pCMV-Tag2-Mef2c Expression Control Vector	No specific treatment.
		pNTAP-Mef2a Expression Control Vector	No specific treatment.
<b>Protection of first-aiders</b>	:	pNTAP-A Expression Vector	No action shall be taken involving any personal risk or without suitable training.
		pNTAP-B Expression Vector	No action shall be taken involving any personal risk or without suitable training.
		pNTAP-C Expression Vector	No action shall be taken involving any personal risk or without suitable training.
		pCMV-Tag2-Mef2c Expression Control Vector	No action shall be taken involving any personal risk or without suitable training.
		pNTAP-Mef2a Expression Control Vector	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	:	pNTAP-A Expression Vector	Use an extinguishing agent suitable for the surrounding fire.
		pNTAP-B Expression Vector	Use an extinguishing agent suitable for the surrounding fire.
		pNTAP-C Expression Vector	Use an extinguishing agent suitable for the surrounding fire.
		pCMV-Tag2-Mef2c Expression Control Vector	Use an extinguishing agent suitable for the surrounding fire.
		pNTAP-Mef2a Expression Control Vector	Use an extinguishing agent suitable for the surrounding fire.

## Section 5. Fire-fighting measures

<b>Unsuitable extinguishing media</b>	: pNTAP-A Expression Vector	None known.
	pNTAP-B Expression Vector	None known.
	pNTAP-C Expression Vector	None known.
	pCMV-Tag2-Mef2c Expression Control Vector	None known.
	pNTAP-Mef2a Expression Control Vector	None known.

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

<b>Specific hazards arising from the chemical</b>	: pNTAP-A Expression Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pNTAP-B Expression Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pNTAP-C Expression Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pCMV-Tag2-Mef2c Expression Control Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pNTAP-Mef2a Expression Control Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: pNTAP-A Expression Vector	No specific data.
	pNTAP-B Expression Vector	No specific data.
	pNTAP-C Expression Vector	No specific data.
	pCMV-Tag2-Mef2c Expression Control Vector	No specific data.
	pNTAP-Mef2a Expression Control Vector	No specific data.

### 5.3 Advice for firefighters

<b>Special protective actions for fire-fighters</b>	: pNTAP-A 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.
	pNTAP-B 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.
	pNTAP-C 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-Tag2-Mef2c Expression 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.
	pNTAP-Mef2a Expression 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.
<b>Special protective equipment for fire-fighters</b>	: pNTAP-A 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.
	pNTAP-B 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.
	pNTAP-C Expression Vector	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

## Section 5. Fire-fighting measures

pCMV-Tag2-Mef2c Expression Control Vector	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
pNTAP-Mef2a Expression 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.

## Section 6. Accidental release measures

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

<b>For non-emergency personnel</b>	: pNTAP-A 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 spilled material. Put on appropriate personal protective equipment.
	pNTAP-B 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 spilled material. Put on appropriate personal protective equipment.
	pNTAP-C 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 spilled material. Put on appropriate personal protective equipment.
	pCMV-Tag2-Mef2c Expression 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 spilled material. Put on appropriate personal protective equipment.
	pNTAP-Mef2a Expression 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 spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: pNTAP-A Expression Vector	If specialized 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".
	pNTAP-B Expression Vector	If specialized 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".
	pNTAP-C Expression Vector	If specialized 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-Tag2-Mef2c Expression Control Vector	If specialized 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".
	pNTAP-Mef2a Expression Control Vector	If specialized 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".



## Section 6. Accidental release measures

on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

pNTAP-A Expression Vector	Avoid dispersal of spilled 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).
pNTAP-B Expression Vector	Avoid dispersal of spilled 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).
pNTAP-C Expression Vector	Avoid dispersal of spilled 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-Tag2-Mef2c Expression Control Vector	Avoid dispersal of spilled 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).
pNTAP-Mef2a Expression Control Vector	Avoid dispersal of spilled 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 materials for containment and cleaning up

#### Methods for cleaning up

pNTAP-A 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.
pNTAP-B 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.
pNTAP-C 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-Tag2-Mef2c Expression 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.
pNTAP-Mef2a Expression 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.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

<b>Protective measures</b>	: pNTAP-A Expression Vector	Put on appropriate personal protective equipment (see Section 8).
	pNTAP-B Expression Vector	Put on appropriate personal protective equipment (see Section 8).
	pNTAP-C Expression Vector	Put on appropriate personal protective equipment (see Section 8).
	pCMV-Tag2-Mef2c Expression Control Vector	Put on appropriate personal protective equipment (see Section 8).
	pNTAP-Mef2a Expression Control Vector	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: pNTAP-A Expression Vector	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.
	pNTAP-B Expression Vector	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.
	pNTAP-C Expression Vector	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.
	pCMV-Tag2-Mef2c Expression Control Vector	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.
	pNTAP-Mef2a Expression Control Vector	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.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	: pNTAP-A 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	pNTAP-B Expression Vector	Store in accordance with local regulations. Store in

## Section 7. Handling and storage

pNTAP-C Expression Vector	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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
pCMV-Tag2-Mef2c Expression Control 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
pNTAP-Mef2a Expression Control 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

#### Recommendations

: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
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#### Industrial sector specific solutions

: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not available. Not available. Not available. Not available. Not available.
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## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
None.	

### 8.2 Exposure controls

#### Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### 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.

### Individual protection measures

#### Hygiene measures

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

#### Eye/face protection

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

#### Skin protection

##### Hand protection

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

##### Body protection

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

##### Other skin protection

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

##### Respiratory protection

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

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

##### Physical state

pNTAP-A Expression Vector	Liquid.
pNTAP-B Expression Vector	Liquid.
pNTAP-C Expression Vector	Liquid.
pCMV-Tag2-Mef2c Expression Control Vector	Liquid.
pNTAP-Mef2a Expression Control Vector	Liquid.

## Section 9. Physical and chemical properties

<b>Color</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.
<b>Odor</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.
<b>Odor threshold</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.
<b>pH</b>	: pNTAP-A Expression Vector	7.5
	pNTAP-B Expression Vector	7.5
	pNTAP-C Expression Vector	7.5
	pCMV-Tag2-Mef2c Expression Control Vector	7.5
	pNTAP-Mef2a Expression Control Vector	7.5
<b>Melting point</b>	: pNTAP-A Expression Vector	0°C (32°F)
	pNTAP-B Expression Vector	0°C (32°F)
	pNTAP-C Expression Vector	0°C (32°F)
	pCMV-Tag2-Mef2c Expression Control Vector	0°C (32°F)
	pNTAP-Mef2a Expression Control Vector	0°C (32°F)
<b>Boiling point</b>	: pNTAP-A Expression Vector	100°C (212°F)
	pNTAP-B Expression Vector	100°C (212°F)
	pNTAP-C Expression Vector	100°C (212°F)
	pCMV-Tag2-Mef2c Expression Control Vector	100°C (212°F)
	pNTAP-Mef2a Expression Control Vector	100°C (212°F)
<b>Flash point</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.
<b>Evaporation rate</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.

## Section 9. Physical and chemical properties

<b>Flammability (solid, gas)</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not available. Not available. Not available. Not available. Not available.
<b>Vapor pressure</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not available. Not available. Not available. Not available. Not available.
<b>Vapor density</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not available. Not available. Not available. Not available. Not available.
<b>Relative density</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not available. Not available. Not available. Not available. Not available.
<b>Solubility</b>	: pNTAP-A Expression Vector  pNTAP-B Expression Vector  pNTAP-C Expression Vector  pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not available. Not available. Not available. Not available. Not available.
<b>Auto-ignition temperature</b>	: pNTAP-A Expression Vector pNTAP-B Expression Vector pNTAP-C Expression Vector pCMV-Tag2-Mef2c Expression Control Vector pNTAP-Mef2a Expression Control Vector	Not available. Not available. Not available. Not available. Not available.

## Section 9. Physical and chemical properties

<b>Decomposition temperature</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.
<b>Viscosity</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	: pNTAP-A Expression Vector	No specific test data related to reactivity available for this product or its ingredients.
	pNTAP-B Expression Vector	No specific test data related to reactivity available for this product or its ingredients.
	pNTAP-C Expression Vector	No specific test data related to reactivity available for this product or its ingredients.
	pCMV-Tag2-Mef2c Expression Control Vector	No specific test data related to reactivity available for this product or its ingredients.
	pNTAP-Mef2a Expression Control Vector	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: pNTAP-A Expression Vector	The product is stable.
	pNTAP-B Expression Vector	The product is stable.
	pNTAP-C Expression Vector	The product is stable.
	pCMV-Tag2-Mef2c Expression Control Vector	The product is stable.
	pNTAP-Mef2a Expression Control Vector	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: pNTAP-A Expression Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
	pNTAP-B Expression Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
	pNTAP-C Expression Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
	pCMV-Tag2-Mef2c Expression Control Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
	pNTAP-Mef2a Expression Control Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: pNTAP-A Expression Vector	No specific data.
	pNTAP-B Expression Vector	No specific data.
	pNTAP-C Expression Vector	No specific data.
	pCMV-Tag2-Mef2c Expression Control Vector	No specific data.
	pNTAP-Mef2a Expression Control Vector	No specific data.

## Section 10. Stability and reactivity

<b>10.5 Incompatible materials</b>	<b>:</b> pNTAP-A Expression Vector	May react or be incompatible with oxidizing materials.
	pNTAP-B Expression Vector	May react or be incompatible with oxidizing materials.
	pNTAP-C Expression Vector	May react or be incompatible with oxidizing materials.
	pCMV-Tag2-Mef2c Expression Control Vector	May react or be incompatible with oxidizing materials.
	pNTAP-Mef2a Expression Control Vector	May react or be incompatible with oxidizing materials.
<b>10.6 Hazardous decomposition products</b>	<b>:</b> pNTAP-A Expression Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	pNTAP-B Expression Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	pNTAP-C Expression Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	pCMV-Tag2-Mef2c Expression Control Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	pNTAP-Mef2a Expression Control Vector	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.

#### Irritation/Corrosion

Not available.

#### Sensitization

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.



## Section 11. Toxicological information

<b>Information on the likely routes of exposure</b>	: pNTAP-A Expression Vector	Not available.
	pNTAP-B Expression Vector	Not available.
	pNTAP-C Expression Vector	Not available.
	pCMV-Tag2-Mef2c Expression Control Vector	Not available.
	pNTAP-Mef2a Expression Control Vector	Not available.

### Potential acute health effects

<b>Eye contact</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.
<b>Inhalation</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.
<b>Skin contact</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.
<b>Ingestion</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.

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

<b>Eye contact</b>	: pNTAP-A Expression Vector	No specific data.
	pNTAP-B Expression Vector	No specific data.
	pNTAP-C Expression Vector	No specific data.
	pCMV-Tag2-Mef2c Expression Control Vector	No specific data.
	pNTAP-Mef2a Expression Control Vector	No specific data.
<b>Inhalation</b>	: pNTAP-A Expression Vector	No specific data.
	pNTAP-B Expression Vector	No specific data.
	pNTAP-C Expression Vector	No specific data.
	pCMV-Tag2-Mef2c Expression Control Vector	No specific data.
	pNTAP-Mef2a Expression Control Vector	No specific data.

## Section 11. Toxicological information

<b>Skin contact</b>	: pNTAP-A Expression Vector	No specific data.
	pNTAP-B Expression Vector	No specific data.
	pNTAP-C Expression Vector	No specific data.
	pCMV-Tag2-Mef2c Expression Control Vector	No specific data.
	pNTAP-Mef2a Expression Control Vector	No specific data.
<b>Ingestion</b>	: pNTAP-A Expression Vector	No specific data.
	pNTAP-B Expression Vector	No specific data.
	pNTAP-C Expression Vector	No specific data.
	pCMV-Tag2-Mef2c Expression Control Vector	No specific data.
	pNTAP-Mef2a Expression Control Vector	No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

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

#### Long term exposure

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

#### Potential chronic health effects

<b>General</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: pNTAP-A Expression Vector	No known significant effects or critical hazards.
	pNTAP-B Expression Vector	No known significant effects or critical hazards.
	pNTAP-C Expression Vector	No known significant effects or critical hazards.
	pCMV-Tag2-Mef2c Expression Control Vector	No known significant effects or critical hazards.
	pNTAP-Mef2a Expression Control Vector	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

## Section 11. Toxicological information

N/A

<b>Other information</b>	:	pNTAP-A Expression Vector	Not available.
		pNTAP-B Expression Vector	Not available.
		pNTAP-C Expression Vector	Not available.
		pCMV-Tag2-Mef2c Expression Control Vector	Not available.
		pNTAP-Mef2a Expression Control Vector	Not available.

## Section 12. Ecological information

### 12.1 Toxicity

Not available.

### 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.

**12.5 Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** : The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.**

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## Section 14. Transport information

**DOT / TDG / Mexico / IMDG / IATA** : Not regulated.

**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.

**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

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**Clean Water Act (CWA) 311:** Edetic acid

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

#### SARA 302/304

##### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

#### SARA 311/312

**Classification** :

pNTAP-A Expression Vector	Not applicable.
pNTAP-B Expression Vector	Not applicable.
pNTAP-C Expression Vector	Not applicable.
pCMV-Tag2-Mef2c Expression Control Vector	Not applicable.
pNTAP-Mef2a Expression Control Vector	Not applicable.

##### Composition/information on ingredients

No products were found.

#### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

#### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

#### International regulations

## Section 15. Regulatory information

### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Montreal Protocol

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.


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

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: All components are listed or exempted.
<b>Europe</b>	: All components are listed or exempted.
<b>Japan</b>	: <b>Japan inventory (ENCS)</b> : Not determined. <b>Japan inventory (ISHL)</b> : All components are listed or exempted.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	:  All components are active or exempted.
<b>Viet Nam</b>	: Not determined.

## Section 16. Other information

### History

<b>Date of issue</b>	: 06/25/2021
<b>Date of previous issue</b>	: 03/26/2019
<b>Version</b>	: 6
<b>Key to abbreviations</b>	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations

### Procedure used to derive the classification

Classification	Justification
Not classified.	

 Indicates information that has changed from previously issued version.

## Section 16. Other information

### [Notice to reader](#)

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