



## Section 2. Hazards identification

<b>Hazard statements</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b><u>Precautionary statements</u></b>		
<b>Prevention</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not applicable. Not applicable.
<b>Response</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not applicable. Not applicable.
<b>Storage</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not applicable. Not applicable.
<b>Disposal</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not applicable. Not applicable.
<b>Supplemental label elements</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	None known. None known.

### 2.3 Other hazards

<b>Hazards not otherwise classified</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	None known. None known.
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## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Mixture Mixture
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Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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>	: MVP Total RNA Human Adult Kidney  MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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.
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## Section 4. First aid measures

<b>Inhalation</b>	: MVP Total RNA Human Adult Kidney  MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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.
<b>Skin contact</b>	: MVP Total RNA Human Adult Kidney  MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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.
<b>Ingestion</b>	: MVP Total RNA Human Adult Kidney  MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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. 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.

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

#### Potential acute health effects

<b>Eye contact</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards. No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data. No specific data.
<b>Inhalation</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data. No specific data.

## Section 4. First aid measures

<b>Skin contact</b>	: MVP Total RNA Human Adult Kidney	No specific data.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data.
<b>Ingestion</b>	: MVP Total RNA Human Adult Kidney	No specific data.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data.

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

<b>Notes to physician</b>	: MVP Total RNA Human Adult Kidney	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: MVP Total RNA Human Adult Kidney	No specific treatment.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific treatment.
<b>Protection of first-aiders</b>	: MVP Total RNA Human Adult Kidney	No action shall be taken involving any personal risk or without suitable training.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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>	: MVP Total RNA Human Adult Kidney	Use an extinguishing agent suitable for the surrounding fire.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: MVP Total RNA Human Adult Kidney	None known.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	None known.

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

<b>Specific hazards arising from the chemical</b>	: MVP Total RNA Human Adult Kidney	In a fire or if heated, a pressure increase will occur and the container may burst.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: MVP Total RNA Human Adult Kidney	No specific data.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data.



### 5.3 Advice for firefighters

## Section 5. Fire-fighting measures


<b>Special protective actions for fire-fighters</b>	:  MVP Total RNA Human Adult Kidney	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.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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>	:  MVP Total RNA Human Adult Kidney	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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>	:  MVP Total RNA Human Adult Kidney	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.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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>	:  MVP Total RNA Human Adult Kidney	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".
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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".

### 6.2 Environmental precautions

:  MVP Total RNA Human Adult Kidney	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).
MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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

## Section 6. Accidental release measures

<b>Methods for cleaning up</b>	: MVP Total RNA Human Adult Kidney	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.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: MVP Total RNA Human Adult Kidney  MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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.

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

: MVP Total RNA Human Adult Kidney	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.
MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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.

## Section 7. Handling and storage

### 7.3 Specific end use(s)

<b>Recommendations</b>	: MVP Total RNA Human Adult Kidney	Industrial applications.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Industrial applications.
<b>Industrial sector specific solutions</b>	: MVP Total RNA Human Adult Kidney	Not applicable.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not applicable.

## 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

<b>Physical state</b>	: MVP Total RNA Human Adult Kidney	Liquid.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Liquid.
<b>Color</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.
<b>Odor</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.
<b>Odor threshold</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.
<b>pH</b>	: MVP Total RNA Human Adult Kidney	8
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	8
<b>Melting point</b>	: MVP Total RNA Human Adult Kidney	0°C (32°F)
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	0°C (32°F)
<b>Boiling point</b>	: MVP Total RNA Human Adult Kidney	100°C (212°F)
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	100°C (212°F)
<b>Flash point</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.
<b>Evaporation rate</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.
<b>Flammability (solid, gas)</b>	: MVP Total RNA Human Adult Kidney	Not applicable.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.
<b>Vapor pressure</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.
<b>Vapor density</b>	: MVP Total RNA Human Adult Kidney	Not available.
	: MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.



## Section 9. Physical and chemical properties

<b>Relative density</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available. Not available.
<b>Solubility</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available. Not available.
<b>Auto-ignition temperature</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available. Not available.
<b>Decomposition temperature</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available. Not available.
<b>Viscosity</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available. Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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.
<b>10.2 Chemical stability</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	The product is stable. The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data. No specific data.
<b>10.5 Incompatible materials</b>	: MVP Total RNA Human Adult Kidney MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.

## Section 10. Stability and reactivity

<b>10.6 Hazardous decomposition products</b>	: MVP Total RNA Human Adult Kidney	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

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

Not available.

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

Not available.

#### Aspiration hazard

Not available.

<b>Information on the likely routes of exposure</b>	: MVP Total RNA Human Adult Kidney	Not available.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	Not available.

### Potential acute health effects

<b>Eye contact</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.
<b>Inhalation</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Skin contact</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.
<b>Ingestion</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.

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

<b>Eye contact</b>	: MVP Total RNA Human Adult Kidney	No specific data.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data.
<b>Inhalation</b>	: MVP Total RNA Human Adult Kidney	No specific data.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data.
<b>Skin contact</b>	: MVP Total RNA Human Adult Kidney	No specific data.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No specific data.
<b>Ingestion</b>	: MVP Total RNA Human Adult Kidney	No specific data.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	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>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.
<b>Teratogenicity</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Developmental effects</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.
<b>Fertility effects</b>	: MVP Total RNA Human Adult Kidney	No known significant effects or critical hazards.
	MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

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 ( $K_{oc}$ )** : 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.

## Section 13. Disposal considerations

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 Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

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

**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** : MVP Total RNA Human Adult Kidney Not applicable.  
MVP Total RNA, Human Adult Kidney, Renal Cell Carcinoma Not applicable.

##### Composition/information on ingredients

No products were found.

## Section 15. Regulatory information

### 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.

### International regulations

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

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

Not listed.

### Inventory list

- Australia** : All components are listed or exempted.  
**Canada** : All components are listed or exempted.  
**China** : All components are listed or exempted.  
**Europe** : All components are listed or exempted.  
**Japan** :  **Japan inventory (ENCS)**: All components are listed or exempted.  
 **Japan inventory (ISHL)**: All components are listed or exempted.  
**Malaysia** : Not determined.  
**New Zealand** : All components are listed or exempted.  
**Philippines** : All components are listed or exempted.  
**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 listed or exempted.  
**Viet Nam** :  Not determined.

## Section 16. Other information

### History

- Date of issue** : 12/29/2017  
**Date of previous issue** : 09/28/2015.  
**Version** : 2

Indicates information that has changed from previously issued version.

### Notice to reader

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