

SAFETY DATA SHEET



AdEasy Viral Purification Kit, Part Number 240243

Section 1. Identification

1.1 Product identifier

Product name : AdEasy Viral Purification Kit, Part Number 240243

Part no. (chemical kit) : 240243

Part no. : 10x Loading Buffer Not available.
 1x Washing Buffer Not available.
 Elution Buffer Not available.

Validation date : 10/12/2023

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

Identified uses : Analytical reagent.

10x Loading Buffer 25 ml
 1x Washing Buffer 120 ml
 Elution Buffer 20 ml

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 : 10x Loading Buffer | 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. |
| 1x Washing Buffer | 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. |
| Elution Buffer | 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 :

Section 2. Hazards identification

| | | |
|---|---|---|
| | 10x Loading Buffer | No signal word. |
| | 1x Washing Buffer | No signal word. |
| | Elution Buffer | No signal word. |
| Hazard statements | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| <u>Precautionary statements</u> | | |
| Prevention | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not applicable. Not applicable. Not applicable. |
| Response | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not applicable. Not applicable. Not applicable. |
| Storage | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not applicable. Not applicable. Not applicable. |
| Disposal | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not applicable. Not applicable. Not applicable. |
| Supplemental label elements | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | None known. None known. None known. |
| <u>2.3 Other hazards</u> | | |
| Hazards not otherwise classified | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | None known. None known. None known. |

Section 3. Composition/information on ingredients

| | | |
|--------------------------|---|-------------------------------|
| Substance/mixture | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Mixture Mixture Mixture |
|--------------------------|---|-------------------------------|

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Section 4. First aid measures

4.1 Description of necessary first aid measures

| | | |
|--------------------|----------------------|---|
| Eye contact | : 10x Loading Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | 1x Washing Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | Elution Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |

Section 4. First aid measures

| | | |
|---------------------|----------------------|--|
| Inhalation | : 10x Loading Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | 1x Washing Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | Elution Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | : 10x Loading Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | 1x Washing Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | Elution Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | : 10x Loading Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| | 1x Washing Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| | Elution Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

| | | |
|---------------------|---|---|
| Eye contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Inhalation | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Skin contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Ingestion | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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

| | | |
|--------------------|---|---|
| Eye contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |
|--------------------|---|---|

Section 4. First aid measures

| | | |
|---------------------|---|---|
| Inhalation | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |
| Skin contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |
| Ingestion | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |

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

| | | |
|-----------------------------------|---|---|
| Notes to physician | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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. |
| Specific treatments | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific treatment. No specific treatment. No specific treatment. |
| Protection of first-aiders | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

| | | |
|---------------------------------------|---|---|
| Suitable extinguishing media | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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. |
| Unsuitable extinguishing media | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | None known. None known. None known. |

5.2 Special hazards arising from the substance or mixture

| | | |
|---|---|---|
| Specific hazards arising from the chemical | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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. |
|---|---|---|

Section 5. Fire-fighting measures

| | | |
|---|----------------------|--|
| Hazardous thermal decomposition products | : 10x Loading Buffer | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| | 1x Washing Buffer | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| | Elution Buffer | Decomposition products may include the following materials: carbon dioxide carbon monoxide |

5.3 Advice for firefighters

| | | |
|---|----------------------|---|
| Special protective actions for fire-fighters | : 10x Loading Buffer | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| | 1x Washing Buffer | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| | Elution Buffer | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | : 10x Loading Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | 1x Washing Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | Elution Buffer | 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

| | | |
|------------------------------------|----------------------|---|
| For non-emergency personnel | : 10x Loading Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. |
| | 1x Washing Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. |
| | Elution Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on |

Section 6. Accidental release measures

| | | |
|--|--|--|
| <p>For emergency responders :</p> <p>10x Loading Buffer</p> <p>1x Washing Buffer</p> <p>Elution Buffer</p> | | <p>appropriate personal protective equipment.</p> <p>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".</p> <p>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".</p> <p>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".</p> |
| <p>6.2 Environmental precautions :</p> <p>10x Loading Buffer</p> <p>1x Washing Buffer</p> <p>Elution Buffer</p> | | <p>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).</p> <p>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).</p> <p>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).</p> |
| <p>6.3 Methods and materials for containment and cleaning up</p> <p>Methods for cleaning up :</p> <p>10x Loading Buffer</p> <p>1x Washing Buffer</p> <p>Elution Buffer</p> | | <p>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.</p> <p>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.</p> <p>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.</p> |

Section 7. Handling and storage

7.1 Precautions for safe handling

| | | |
|---|----------------------|--|
| Protective measures | : 10x Loading Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | 1x Washing Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | Elution Buffer | Put on appropriate personal protective equipment (see Section 8). |
| Advice on general occupational hygiene | : 10x Loading Buffer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| | 1x Washing Buffer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| | Elution Buffer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| 7.2 Conditions for safe storage, including any incompatibilities | : 10x Loading Buffer | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 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. |
| | 1x Washing Buffer | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 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. |
| | Elution Buffer | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 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 |

Section 7. Handling and storage

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 | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. |
| Industrial sector specific solutions | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------|-----------------|
| None. | |

Biological exposure indices

No exposure indices known.

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. |

Section 8. Exposure controls/personal protection

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 and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

| | | |
|--|---|---|
| Physical state | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Liquid. Liquid. Liquid. |
| Color | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Odor | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Odor threshold | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| pH | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Melting point/freezing point | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Boiling point, initial boiling point, and boiling range | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Flash point | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Evaporation rate | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Flammability | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not applicable. Not applicable. Not applicable. |
| Lower and upper explosion limit/flammability limit | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Vapor pressure | : <input checked="" type="checkbox"/> Not available. | |
| Relative vapor density | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Relative density | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Solubility(ies) | : Not available. | |
| Partition coefficient: n-octanol/water | : <input checked="" type="checkbox"/> 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not applicable. Not applicable. Not applicable. |
| Auto-ignition temperature | : <input checked="" type="checkbox"/> Not available. | |

Section 9. Physical and chemical properties and safety characteristics

| | | |
|----------------------------------|---|---|
| Decomposition temperature | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Viscosity | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
| Particle characteristics | | |
| Median particle size | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not applicable. Not applicable. Not applicable. |

Section 10. Stability and reactivity

| | | |
|--|---|--|
| 10.1 Reactivity | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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 | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | The product is stable. The product is stable. The product is stable. |
| 10.3 Possibility of hazardous reactions | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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 | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |
| 10.5 Incompatible materials | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. |
| 10.6 Hazardous decomposition products | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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.

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.

| | | |
|---|---|--|
| Information on the likely routes of exposure | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | Not available. Not available. Not available. |
|---|---|--|

Potential acute health effects

| | | |
|---------------------|---|---|
| Eye contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Inhalation | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Skin contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Ingestion | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | 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

| | | |
|--------------------|---|---|
| Eye contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |
| Inhalation | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |

Section 11. Toxicological information

| | | |
|---------------------|---|---|
| Skin contact | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |
| Ingestion | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No specific data. No specific data. No specific data. |

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

| | | |
|------------------------------|---|---|
| General | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Carcinogenicity | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Mutagenicity | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Reproductive toxicity | : 10x Loading Buffer 1x Washing Buffer Elution Buffer | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

N/A

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.

Section 12. Ecological information

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 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

Section 15. Regulatory information

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

| | | | |
|-----------------------|---|--------------------|-----------------|
| Classification | : | 10x Loading Buffer | Not applicable. |
| | | 1x Washing Buffer | Not applicable. |
| | | Elution Buffer | 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

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

Australia : Not determined.

Canada : Not determined.

China : Not determined.

Japan : **Japan inventory (CSCL):** Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : Not determined.

Thailand : Not determined.

Turkey : Not determined.

United States : Not determined.

Viet Nam : Not determined.

Section 16. Other information

Procedure used to derive the classification

| Classification | Justification |
|-----------------|---------------|
| Not classified. | |

History

Date of issue/Date of revision : 10/12/2023

Date of previous issue : 09/15/2020

Version : 6

Key to abbreviations

: 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

✔ Indicates information that has changed from previously issued version.

Notice to reader

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.