

# SAFETY DATA SHEET

High Sensitivity D1000 Reagents, Part Number 5067-5585

## Section 1. Identification

### 1.1 Product identifier

**Product name** : High Sensitivity D1000 Reagents, Part Number 5067-5585  
**Part no. (chemical kit)** : 5067-5585  
**Part no.** : High Sensitivity D1000 Sample Buffer 5190-6504  
 High Sensitivity D1000 Ladder 5067-5587  
**Validation date** : 6/30/2023

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

**Identified uses** :  For research use only.  
 High Sensitivity D1000 Sample Buffer 1 x 300 µl vials  
 High Sensitivity D1000 Ladder 1 x 20 µl vials  
**Uses advised against** :  Not for use in diagnostic procedures (RUO).

### 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** : High Sensitivity D1000 Sample 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.  
 High Sensitivity D1000 Ladder 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.

High Sensitivity D1000 Sample Buffer Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 13.7%

### 2.2 GHS label elements

**Signal word** : High Sensitivity D1000 Sample Buffer No signal word.  
 High Sensitivity D1000 Ladder No signal word.

## Section 2. Hazards identification

|   |  |   |
|---|--|---|
| <b>Hazard statements</b>                | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|   | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |
| <b><u>Precautionary statements</u></b>  |  |   |
| <b>Prevention</b>                       | : High Sensitivity D1000 Sample Buffer | Not applicable.                                   |
|   | : High Sensitivity D1000 Ladder        | Not applicable.                                   |
| <b>Response</b>                         | : High Sensitivity D1000 Sample Buffer | Not applicable.                                   |
|   | : High Sensitivity D1000 Ladder        | Not applicable.                                   |
| <b>Storage</b>                          | : High Sensitivity D1000 Sample Buffer | Not applicable.                                   |
|   | : High Sensitivity D1000 Ladder        | Not applicable.                                   |
| <b>Disposal</b>                         | : High Sensitivity D1000 Sample Buffer | Not applicable.                                   |
|   | : High Sensitivity D1000 Ladder        | Not applicable.                                   |
| <b>Supplemental label elements</b>      | : High Sensitivity D1000 Sample Buffer | None known.                                       |
|   | : High Sensitivity D1000 Ladder        | None known.                                       |
| <b><u>2.3 Other hazards</u></b>         |  |   |
| <b>Hazards not otherwise classified</b> | : High Sensitivity D1000 Sample Buffer | None known.                                       |
|   | : High Sensitivity D1000 Ladder        | None known.                                       |

## Section 3. Composition/information on ingredients

|                          |  |         |
|--------------------------|--|---------|
| <b>Substance/mixture</b> | : High Sensitivity D1000 Sample Buffer | Mixture |
|                          | : High Sensitivity D1000 Ladder        | 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

|                     |  |   |
|---------------------|--|---|
| <b>Eye contact</b>  | : High Sensitivity D1000 Sample 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. |
|                     | : High Sensitivity D1000 Ladder        | 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. |
| <b>Inhalation</b>   | : High Sensitivity D1000 Sample Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
|                     | : High Sensitivity D1000 Ladder        | 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> | : High Sensitivity D1000 Sample Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                     | : High Sensitivity D1000 Ladder        | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |

## Section 4. First aid measures

|                  |  |  |
|------------------|--|--|
| <b>Ingestion</b> | : High Sensitivity D1000 Sample 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. |
|                  | High Sensitivity D1000 Ladder          | 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

|                     |  |   |
|---------------------|--|---|
| <b>Eye contact</b>  | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | High Sensitivity D1000 Ladder          | No known significant effects or critical hazards. |
| <b>Inhalation</b>   | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | High Sensitivity D1000 Ladder          | No known significant effects or critical hazards. |
| <b>Skin contact</b> | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | High Sensitivity D1000 Ladder          | No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | High Sensitivity D1000 Ladder          | No known significant effects or critical hazards. |

#### Over-exposure signs/symptoms

|                     |  |                   |
|---------------------|--|-------------------|
| <b>Eye contact</b>  | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | High Sensitivity D1000 Ladder          | No specific data. |
| <b>Inhalation</b>   | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | High Sensitivity D1000 Ladder          | No specific data. |
| <b>Skin contact</b> | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | High Sensitivity D1000 Ladder          | No specific data. |
| <b>Ingestion</b>    | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | High Sensitivity D1000 Ladder          | No specific data. |

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

|                                   |  |   |
|-----------------------------------|--|---|
| <b>Notes to physician</b>         | : High Sensitivity D1000 Sample Buffer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
|                                   | High Sensitivity D1000 Ladder          | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| <b>Specific treatments</b>        | : High Sensitivity D1000 Sample Buffer | No specific treatment.  |
|                                   | High Sensitivity D1000 Ladder          | No specific treatment.  |
| <b>Protection of first-aiders</b> | : High Sensitivity D1000 Sample Buffer | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | High Sensitivity D1000 Ladder          | No action shall be taken involving any personal risk or without suitable training.  |

## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

|                                       |   |  |
|---------------------------------------|---|--|
| <b>Suitable extinguishing media</b>   | : High Sensitivity D1000 Sample Buffer<br>High Sensitivity D1000 Ladder | Use an extinguishing agent suitable for the surrounding fire.<br>Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : High Sensitivity D1000 Sample Buffer<br>High Sensitivity D1000 Ladder | None known.<br>None known.   |

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

|   |   |  |
|---|---|--|
| <b>Specific hazards arising from the chemical</b> | : High Sensitivity D1000 Sample Buffer<br>High Sensitivity D1000 Ladder     | In a fire or if heated, a pressure increase will occur and the container may burst.<br>In a fire or if heated, a pressure increase will occur and the container may burst. |
| <b>Hazardous thermal decomposition products</b>   | : High Sensitivity D1000 Sample Buffer<br><br>High Sensitivity D1000 Ladder | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>No specific data.  |

### 5.3 Advice for firefighters

|   |   |  |
|---|---|--|
| <b>Special protective actions for fire-fighters</b>   | : High Sensitivity D1000 Sample Buffer<br><br>High Sensitivity D1000 Ladder | 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.<br>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> | : High Sensitivity D1000 Sample Buffer<br><br>High Sensitivity D1000 Ladder | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.<br>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> | : High Sensitivity D1000 Sample Buffer<br><br>High Sensitivity D1000 Ladder | 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.<br>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><b>For emergency responders</b> :</p> <p>High Sensitivity D1000 Sample Buffer</p> <p>High Sensitivity D1000 Ladder</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><b>6.2 Environmental precautions</b> :</p> <p>High Sensitivity D1000 Sample Buffer</p> <p>High Sensitivity D1000 Ladder</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><b>6.3 Methods and materials for containment and cleaning up</b></p> <p><b>Methods for cleaning up</b> :</p> <p>High Sensitivity D1000 Sample Buffer</p> <p>High Sensitivity D1000 Ladder</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

|   |   |
|---|---|
| <p><b>Protective measures</b> :</p> <p>High Sensitivity D1000 Sample Buffer</p> <p>High Sensitivity D1000 Ladder</p>                    | <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p>   |
| <p><b>Advice on general occupational hygiene</b> :</p> <p>High Sensitivity D1000 Sample Buffer</p> <p>High Sensitivity D1000 Ladder</p> | <p>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.</p> <p>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.</p> |

## Section 7. Handling and storage

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

: High Sensitivity D1000 Sample 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.

High Sensitivity D1000 Ladder

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

: High Sensitivity D1000 Sample Buffer  
High Sensitivity D1000 Ladder

Industrial applications, Professional applications.

Industrial applications, Professional applications.

#### Industrial sector specific solutions

: High Sensitivity D1000 Sample Buffer  
High Sensitivity D1000 Ladder

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.

## Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 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** : High Sensitivity D1000 Sample Buffer Liquid.  
High Sensitivity D1000 Ladder Liquid.
- Color** : High Sensitivity D1000 Sample Buffer Colorless.  
High Sensitivity D1000 Ladder Colorless.
- Odor** : High Sensitivity D1000 Sample Buffer Odorless.  
High Sensitivity D1000 Ladder Odorless.
- Odor threshold** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.
- pH** : High Sensitivity D1000 Sample Buffer 8  
High Sensitivity D1000 Ladder 8
- Melting point/freezing point** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder 0°C (32°F)
- Boiling point, initial boiling point, and boiling range** : High Sensitivity D1000 Sample Buffer ~189°C (372°F)  
High Sensitivity D1000 Ladder 100°C (212°F)
- Flash point** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.
- Evaporation rate** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.
- Flammability** : High Sensitivity D1000 Sample Buffer Not applicable.  
High Sensitivity D1000 Ladder Not applicable.



## Section 9. Physical and chemical properties and safety characteristics

**Lower and upper explosion limit/flammability limit** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.

**Vapor pressure** :

| Ingredient name                             | Vapor Pressure at 20°C |     |        | Vapor pressure at 50°C |      |        |
|---|------------------------|-----|--------|------------------------|------|--------|
|   | mm Hg                  | kPa | Method | mm Hg                  | kPa  | Method |
| <b>High Sensitivity D1000 Sample Buffer</b> |                        |     |        |                        |      |        |
| water                                       | 17.5                   | 2.3 | -      | 92.258                 | 12.3 | -      |
| <b>High Sensitivity D1000 Ladder</b>        |                        |     |        |                        |      |        |
| water                                       | 17.5                   | 2.3 | -      | 92.258                 | 12.3 | -      |

**Relative vapor density** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.

**Relative density** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.

**Solubility(ies)** :

| Media                                       | Result  |
|---|---------|
| <b>High Sensitivity D1000 Sample Buffer</b> |         |
| water                                       | Soluble |
| <b>High Sensitivity D1000 Ladder</b>        |         |
| water                                       | Soluble |

**Partition coefficient: n-octanol/water** : **High Sensitivity D1000 Sample Buffer** Not applicable.  
High Sensitivity D1000 Ladder Not applicable.

**Auto-ignition temperature** : **Not available.**

**Decomposition temperature** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.

**Viscosity** : High Sensitivity D1000 Sample Buffer Not available.  
High Sensitivity D1000 Ladder Not available.

### Particle characteristics

**Median particle size** : **High Sensitivity D1000 Sample Buffer** Not applicable.  
High Sensitivity D1000 Ladder Not applicable.

## Section 10. Stability and reactivity

**10.1 Reactivity** : High Sensitivity D1000 Sample Buffer No specific test data related to reactivity available for this product or its ingredients.  
High Sensitivity D1000 Ladder No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : High Sensitivity D1000 Sample Buffer The product is stable.  
High Sensitivity D1000 Ladder The product is stable.



## Section 10. Stability and reactivity

|  |  |  |
|--|--|--|
| <b>10.3 Possibility of hazardous reactions</b> | : High Sensitivity D1000 Sample Buffer | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
|  | High Sensitivity D1000 Ladder          | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>10.4 Conditions to avoid</b>                | : High Sensitivity D1000 Sample Buffer | No specific data.  |
|  | High Sensitivity D1000 Ladder          | No specific data.  |
| <b>10.5 Incompatible materials</b>             | : High Sensitivity D1000 Sample Buffer | May react or be incompatible with oxidizing materials.   |
|  | High Sensitivity D1000 Ladder          | May react or be incompatible with oxidizing materials.   |
| <b>10.6 Hazardous decomposition products</b>   | : High Sensitivity D1000 Sample Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|  | High Sensitivity D1000 Ladder          | 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.

|   |  |                |
|---|--|----------------|
| <b>Information on the likely routes of exposure</b> | : High Sensitivity D1000 Sample Buffer | Not available. |
|   | High Sensitivity D1000 Ladder          | Not available. |

#### Potential acute health effects

## Section 11. Toxicological information

|                     |  |   |
|---------------------|--|---|
| <b>Eye contact</b>  | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |
| <b>Inhalation</b>   | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |
| <b>Skin contact</b> | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                     | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |

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

|                     |  |                   |
|---------------------|--|-------------------|
| <b>Eye contact</b>  | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | : High Sensitivity D1000 Ladder        | No specific data. |
| <b>Inhalation</b>   | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | : High Sensitivity D1000 Ladder        | No specific data. |
| <b>Skin contact</b> | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | : High Sensitivity D1000 Ladder        | No specific data. |
| <b>Ingestion</b>    | : High Sensitivity D1000 Sample Buffer | No specific data. |
|                     | : High Sensitivity D1000 Ladder        | 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>               | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                              | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                              | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |
| <b>Mutagenicity</b>          | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                              | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |
| <b>Reproductive toxicity</b> | : High Sensitivity D1000 Sample Buffer | No known significant effects or critical hazards. |
|                              | : High Sensitivity D1000 Ladder        | No known significant effects or critical hazards. |

### Numerical measures of toxicity

#### Acute toxicity estimates

N/A

## Section 11. Toxicological information

## 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.

**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.

## Section 14. Transport information

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

#### SARA 302/304

##### Composition/information on ingredients

| Name   | %    | EHS  | SARA 302 TPQ |           | SARA 304 RQ |           |
|--|------|------|--------------|-----------|-------------|-----------|
|  |      |      | (lbs)        | (gallons) | (lbs)       | (gallons) |
| High Sensitivity D1000 Sample Buffer<br>Sodium azide | <0.1 | Yes. | 500          | -         | 1000        | -         |

SARA 304 RQ : 3939334.3 lbs / 1788457.8 kg

#### SARA 311/312

Classification : High Sensitivity D1000 Sample Buffer Not applicable.  
High Sensitivity D1000 Ladder Not applicable.

##### Composition/information on ingredients

| Name  | %         | Classification    |
|---|-----------|-------------------|
| High Sensitivity D1000 Sample Buffer<br>Sucrose | ≥10 - ≤25 | COMBUSTIBLE DUSTS |

#### State regulations

Massachusetts : The following components are listed: SUCROSE DUST

New York : None of the components are listed.

New Jersey : The following components are listed: DIMETHYL SULFOXIDE; METHANE, SULFINYLBI-

Pennsylvania : The following components are listed: .ALPHA.-D-GLUCOPYRANOSIDE, .BETA.-D-FRUCTOFURANOSYL

#### 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

## Section 15. Regulatory information

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>Japan</b>             | : <b>Japan inventory (CSCL):</b> Not determined.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <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>     | : Not determined.  |
| <b>Viet Nam</b>          | : Not determined.  |

## Section 16. Other information

### [Procedure used to derive the classification](#)

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

### [History](#)

|                                       |              |
|---------------------------------------|--------------|
| <b>Date of issue/Date of revision</b> | : 06/30/2023 |
| <b>Date of previous issue</b>         | : 02/25/2020 |
| <b>Version</b>                        | : 7          |

### [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](#)

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