



Kit SDS Cover Sheet

Product Name:

Item No(s):

This is a test kit that is comprised of several individual components, listed below, each of which may have its own Safety Data Sheet (SDS). If a component does not have a Safety Data Sheet included, the item falls under Hazard Communication [1910.1200(b)(6)], *Articles*, and does not require a Safety Data Sheet.

Kit Components:



For product information, please contact your Neogen Corporation Representative.

For further information regarding this SDS, please contact [SDS@neogen.com](mailto:SDS@neogen.com).

# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

## Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

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

#### 1.1. Product identifier

|              |                                   |
|--------------|-----------------------------------|
| Product name | Aflatoxin M1 Multi-Level Controls |
| Product code | (8019)                            |

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

|             |   |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;                  |
| Description | Intended for use in routine analytics, including quality control and monitoring. Do not use components from one kit with any other kit. |

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

|           |   |
|-----------|---|
| Company   | Neogen Corporation                          |
| Address   | 620 Leshar Place<br>Lansing MI 48912<br>USA |
| Web       | www.neogen.com                              |
| Telephone | 517-372-9200/800-234-5333                   |
| Email     | SDS@neogen.com                              |

#### 1.4. Emergency telephone number


|  |  |
|--|--|
|  | 24 hours:<br>Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)<br>Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international) |
|--|--|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                             |                     |
|-----------------------------|---------------------|
| 2.1.2. Classification - GHS | Skin Sens. 1: H317; |
|-----------------------------|---------------------|

#### 2.2. Label elements

|                                     |  |
|-------------------------------------|--|
| Hazard pictograms                   |   |
| Signal Word                         | Warning  |
| Hazard Statement                    | Skin Sens. 1: H317 - May cause an allergic skin reaction.  |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response   | P302+P352 - IF ON SKIN: Wash with plenty of water/ .<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.   |

## Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

## 2.2. Label elements

|  |  |
|--|--|
| <b>Precautionary Statement: Disposal</b> | P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations. |
|--|--|

## 2.3. Other hazards

|                      |   |
|----------------------|---|
| <b>Other hazards</b> | Contains material(s) which may be harmful if swallowed. |
|----------------------|---|

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

| Chemical Name      | Index No. | CAS No.   | EC No.    | REACH No. | Conc. (%w/w) | Classification                           |
|--------------------|-----------|-----------|-----------|-----------|--------------|--|
| Sucrose            |           | 57-50-1   | 200-334-9 |           | 1 - 10%      |  |
| Gentamicin sulfate |           | 1405-41-0 | 215-778-9 |           | 0 - <0.5%    | Skin Sens. 1: H317; Resp. Sens. 1: H334; |

## Description

|  |   |
|--|---|
|  | Concentrations listed are not product specifications. |
|--|---|

## Particle Characteristics

|  |                 |
|--|-----------------|
|  | Not applicable. |
|--|-----------------|

## Further information

|  |  |
|--|--|
|  | Full text of Hazard Statements listed in this Section is provided in Section 16. |
|--|--|

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.                          |
| <b>Eye contact</b>  | Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.   |
| <b>Skin contact</b> | Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.   |
| <b>Ingestion</b>    | Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

## 4.2. Most important symptoms and effects, both acute and delayed

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation to respiratory system. |
| <b>Eye contact</b>  | May cause irritation to eyes.               |
| <b>Skin contact</b> | May cause irritation to skin.               |
| <b>Ingestion</b>    | Ingestion may cause nausea and vomiting.    |

## 4.3. Indication of any immediate medical attention and special treatment needed

|  |  |
|--|--|
|  | Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand. |
|--|--|

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |   |
|--|---|
|  | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

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

# Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

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

Product does not support combustion. Do not allow undiluted product to be released to ground water, water course or sewage system.

## 5.3. Advice for firefighters

Do not breathe vapor or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

## SECTION 6: Accidental release measures

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

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

### 6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

### 6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

### 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.  
Read the entire label and follow all use directions, restrictions, and precautions.

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

Store at temperatures between 2 °C and 8 °C. Do NOT allow to freeze. Follow label instructions. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### Exposure Limit Values


## Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

## Exposure Limit Values

|                  |   |  |
|------------------|---|--|
| Sodium hydroxide | ACGIH TLV TWA: -<br>Notations: -<br>OSHA PEL 8hr TWA mg m3: 2<br>NIOSH REL 10hr TWA ppm:<br>NIOSH REL 15 min ST ppm:                      | ACGIH TLV STEL: C 2 mg/m <sup>3</sup><br>OSHA PEL 8hr TWA ppm: -<br>Skin Designation: -<br>NIOSH REL 10hr TWA mg m3:<br>NIOSH REL 15 min ST mg m3: |
| Sucrose          | ACGIH TLV TWA: 10 mg/m <sup>3</sup><br>Notations: A4<br>OSHA PEL 8hr TWA mg m3: 15<br>NIOSH REL 10hr TWA ppm:<br>NIOSH REL 15 min ST ppm: | ACGIH TLV STEL: -<br>OSHA PEL 8hr TWA ppm: -<br>Skin Designation: -<br>NIOSH REL 10hr TWA mg m3:<br>NIOSH REL 15 min ST mg m3:                     |

## 8.2. Exposure controls

|                                   |   |
|-----------------------------------|---|
|                                   |    |
| Appropriate engineering controls  | Ensure adequate ventilation of the working area.  |
| Individual protection measures    | Use as appropriate: Protective equipment.   |
| Eye / face protection             | Use as appropriate: Suitable eye protection.  |
| Skin protection - Hand protection | Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.   |
| Skin protection - Other           | Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.  |
| Respiratory protection            | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| Occupational exposure controls    | Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station. |
| Further information               |   |
|                                   | Remove and wash contaminated clothing before reuse.   |

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

## 9.1. Information on basic physical and chemical properties

|                                   |                   |
|-----------------------------------|-------------------|
| <b>State</b>                      | Liquid            |
| <b>Color</b>                      | Opaque/White      |
| <b>Odor</b>                       | Slight            |
| <b>Odor threshold</b>             | No data available |
| <b>pH</b>                         | No data available |
| <b>Melting point</b>              | No data available |
| <b>Freezing Point</b>             | No data available |
| <b>Initial boiling point</b>      | No data available |
| <b>Flash point</b>                | No data available |
| <b>Evaporation rate</b>           | No data available |
| <b>Flammability limits</b>        | Not applicable.   |
| <b>Vapor pressure</b>             | No data available |
| <b>Relative Vapour Density</b>    | No data available |
| <b>Density / Relative Density</b> | No data available |
| <b>Partition coefficient (P)</b>  | No data available |
| <b>Autoignition temperature</b>   | No data available |
| <b>Viscosity</b>                  | No data available |
| <b>Explosive properties</b>       | Not applicable.   |
| <b>Oxidizing properties</b>       | No data available |
| <b>Solubility</b>                 | Soluble in water  |

## 9.2. Other information

|   |                   |
|---|-------------------|
| <b>Conductivity</b>                     | No data available |
| <b>Surface tension</b>                  | No data available |
| <b>Gas group</b>                        | No data available |
| <b>Benzene Content</b>                  | No data available |
| <b>Lead content</b>                     | No data available |
| <b>VOC (Volatile organic compounds)</b> | No data available |



## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |   |
|--|---|
|  | Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected. |
|--|---|

## 10.4. Conditions to avoid

|  |  |
|--|--|
|  | Do NOT allow to freeze. Protect from sunlight. |
|--|--|

## 10.5. Incompatible materials

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 10.6. Hazardous decomposition products

|  |                |
|--|----------------|
|  | Carbon oxides. |
|--|----------------|

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

## Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

## 11.1 Information on hazard classes

|                                   |  |
|-----------------------------------|--|
| Acute toxicity                    | Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.   |
| Skin corrosion/irritation         | May cause irritation to skin.  |
| Serious eye damage/irritation     | May cause irritation to eyes.  |
| Respiratory or skin sensitization | May cause allergic reactions in susceptible people.  |
| Germ cell mutagenicity            | No mutagenic effects reported.   |
| Carcinogenicity                   | No components at >0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.<br>No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs.<br>No components at >0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.<br>Not listed in the OSHA standard 1910.1003 Carcinogens. |
| Reproductive toxicity             | No teratogenic effects reported.   |
| STOT-single exposure              | May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| STOT-repeated exposure            | No Significant Hazard.   |
| Aspiration hazard                 | No Significant Hazard.   |
| Repeated or prolonged exposure    | Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.   |

## 11.1.2. Mixtures

|  |   |
|--|---|
|  | See Section(s) 3 for further information. |
|--|---|

## 11.1.3. Hazard Information

|  |   |
|--|---|
|  | See Section(s) 2 and 3 for further information. |
|--|---|

## 11.1.4. Toxicological information

|  |                   |
|--|-------------------|
|  | No data available |
|--|-------------------|

## 11.1.5. Hazard Class

|  |  |
|--|--|
|  | See Section(s) 2 and 14 for further information. |
|--|--|

## 11.1.6. Classification Criteria

|  |  |
|--|--|
|  | Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures.<br>See Section 15 for regulatory citations. |
|--|--|

## 11.1.7. Information on likely routes of exposure

|  |   |
|--|---|
|  | Eye contact. Skin contact. Ingestion. Inhalation. |
|--|---|

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

|  |   |
|--|---|
|  | See Section(s) 4.2 for further information. |
|--|---|

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

|  |   |
|--|---|
|  | See Section(s) 4.2 for further information. |
|--|---|

## 11.1.10. Interactive effects

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 11.1.11. Absence of specific data

|  |  |
|--|--|
|  | <1% of this mixture consists of ingredients of unknown acute toxicity. |
|--|--|

## 11.1.12. Mixture versus substance information

|  |   |
|--|---|
|  | See Section(s) 3 for further information. |
|--|---|

# Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

## 11.1.13. Other information

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 11.2 Information on other hazards

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|  |                   |
|--|-------------------|
|  | No data available |
|--|-------------------|

### 12.2. Persistence and degradability

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

### 12.3. Bioaccumulative potential

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

### 12.4. Mobility in soil

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

### 12.5. Results of PBT and vPvB assessment

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

### 12.6 Endocrine disrupting properties

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

### 12.7 Other adverse effects

|  |  |
|--|--|
|  | Specific test data for the mixture is not available. |
|--|--|

### Further information

|  |   |
|--|---|
|  | Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil. |
|--|---|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
|  | Dispose of in compliance with all local and national regulations. Follow label instructions. |
|--|--|

### Disposal methods

|  |   |
|--|---|
|  | Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations. |
|--|---|

### Disposal of packaging

|  |  |
|--|--|
|  | Nonrefillable container. Do not reuse or refill this container.<br>If empty: Do not reuse this container. Place in trash or offer for recycling, if available.<br>If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. |
|--|--|

## SECTION 14: Transport information

### 14.1. UN number

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.2. UN proper shipping name

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.3. Transport hazard class(es)

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.4. Packing group

|  |  |
|--|--|
|  |  |
|--|--|



## Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

|  |  |
|--|--|
| <b>Regulations</b>                               | Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.                                      |
| <b>Chemical Inventories/Right-to-Know Lists:</b> | Contact SDS@neogen.com for additional information. Please specify country or region with your request.<br><br>California Prop 65: This product does not contain reportable substances at >0.0001% concentration. |

## Inventories

| Ingredient  | TSCA | MA | SARA313 | CALPROP65 | CWA307 | CAA112 | CWA311 | SARA302 | SARA304 |
|---|------|----|---------|-----------|--------|--------|--------|---------|---------|
| 1,2-Benzisothiazol-3(2H)-one                                  | Y    | N  | N       | N         | N      | N      | N      | N       | N       |
| Sucrose (.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl) | Y    | N  | N       | N         | N      | N      | N      | N       | N       |
| Sodium hydroxide (Sodium hydroxide (Na(OH)))                  | Y    | N  | N       | N         | N      | N      | Y      | N       | N       |

## SECTION 16: Other information

## Other information

|                 |  |
|-----------------|--|
| <b>Revision</b> | This document differs from the previous version in the following areas:<br>2 - 2.1.2. Classification - GHS.<br>3 - Description.<br>7 - 7.2. Conditions for safe storage, including any incompatibilities.<br>8 - 8.1. Control parameters.<br>9 - 9.2. Other information (Gas group).<br>10 - 10.4. Conditions to avoid.<br>11 - Acute toxicity.<br>11 - Carcinogenicity.   |
| <b>Acronyms</b> | ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).<br>CAS No.: Chemical Abstracts Service.<br>CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).<br>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.<br>GHS: Globally Harmonized System.<br>HCS 2012: Hazard Communication Standard (2012 revision).<br>IATA: International Air Transport Association.<br>ICAO: International Civil Aviation Organization.<br>IMDG: International Maritime Dangerous Goods.<br>LD: Lethal dose.<br>OEL: Occupational exposure limit.<br>OSHA: U.S. Occupational Safety and Health Administration. |

## Aflatoxin M1 Multi-Level Controls

Revision 3  
Revision date 2023-05-11

## Other information

|   |  |
|---|--|
|   | <p>PEL: Permissible Exposure Limit.<br/>REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.<br/>STOT: Specific Target Organ Toxicity.<br/>SVHC: Substance of very high concern.<br/>US DOT: United States Department of Transportation.<br/>VOC: Volatile Organic Compound.<br/>WEL: Workplace Exposure Limit.</p> |
| <b>Text of Hazard Statements in Section 3</b> | <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br/>Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p>  |

## Further information

|  |  |
|--|--|
|  | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
|--|--|

印南松

# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/8

## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

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

#### 1.1. Product identifier

|              |                                 |
|--------------|---------------------------------|
| Product name | Aflatoxin M1 Conjugate Solution |
| Product code | (8019)                          |

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

|             |   |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;                  |
| Description | Intended for use in routine analytics, including quality control and monitoring. Do not use components from one kit with any other kit. |

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

|           |   |
|-----------|---|
| Company   | Neogen Corporation                          |
| Address   | 620 Leshar Place<br>Lansing MI 48912<br>USA |
| Web       | www.neogen.com                              |
| Telephone | 517-372-9200/800-234-5333                   |
| Email     | SDS@neogen.com                              |

#### 1.4. Emergency telephone number


|  |  |
|--|--|
|  | 24 hours:<br>Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)<br>Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international) |
|--|--|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                             |                     |
|-----------------------------|---------------------|
| 2.1.2. Classification - GHS | Skin Sens. 1: H317; |
|-----------------------------|---------------------|

#### 2.2. Label elements

|                                     |  |
|-------------------------------------|--|
| Hazard pictograms                   |   |
| Signal Word                         | Warning  |
| Hazard Statement                    | Skin Sens. 1: H317 - May cause an allergic skin reaction.  |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response   | P302+P352 - IF ON SKIN: Wash with plenty of water/ .<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.   |

## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

## 2.2. Label elements

|  |  |
|--|--|
| <b>Precautionary Statement: Disposal</b> | P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations. |
|--|--|

## 2.3. Other hazards

|                      |   |
|----------------------|---|
| <b>Other hazards</b> | Contains material(s) which may be harmful if swallowed. |
|----------------------|---|

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

| Chemical Name      | Index No. | CAS No.   | EC No.    | REACH No. | Conc. (%w/w) | Classification                           |
|--------------------|-----------|-----------|-----------|-----------|--------------|--|
| Gentamicin sulfate |           | 1405-41-0 | 215-778-9 |           | 0 - <0.5%    | Skin Sens. 1: H317; Resp. Sens. 1: H334; |

## Description

|  |   |
|--|---|
|  | Concentrations listed are not product specifications. |
|--|---|

## Particle Characteristics

|  |                 |
|--|-----------------|
|  | Not applicable. |
|--|-----------------|

## Further information

|  |  |
|--|--|
|  | Full text of Hazard Statements listed in this Section is provided in Section 16. |
|--|--|

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.                          |
| <b>Eye contact</b>  | Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.   |
| <b>Skin contact</b> | Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.   |
| <b>Ingestion</b>    | Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

## 4.2. Most important symptoms and effects, both acute and delayed

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation to respiratory system.         |
| <b>Eye contact</b>  | May cause irritation to eyes.                       |
| <b>Skin contact</b> | May cause irritation to skin. May cause dermatitis. |
| <b>Ingestion</b>    | Ingestion may cause nausea and vomiting.            |

## 4.3. Indication of any immediate medical attention and special treatment needed

|  |  |
|--|--|
|  | Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand. |
|--|--|

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |   |
|--|---|
|  | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

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

|  |  |
|--|--|
|  | Product does not support combustion. Do not allow undiluted product to be released to ground |
|--|--|

## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

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

water, water course or sewage system.

## 5.3. Advice for firefighters

Do not breathe vapor or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

**SECTION 6: Accidental release measures**

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

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

## 6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

## 6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

## 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.

Read the entire label and follow all use directions, restrictions, and precautions.

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

Store at temperatures between 2 °C and 8 °C. Follow label instructions.

Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal.

## 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

## Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

**SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## Exposure Limit Values


|                  |                           |                                       |
|------------------|---------------------------|---------------------------------------|
| Sodium hydroxide | ACGIH TLV TWA: -          | ACGIH TLV STEL: C 2 mg/m <sup>3</sup> |
|                  | Notations: -              | OSHA PEL 8hr TWA ppm: -               |
|                  | OSHA PEL 8hr TWA mg m3: 2 | Skin Designation: -                   |
|                  | NIOSH REL 10hr TWA ppm:   | NIOSH REL 10hr TWA mg m3:             |
|                  | NIOSH REL 15 min ST ppm:  | NIOSH REL 15 min ST mg m3:            |

## 8.2. Exposure controls

## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

## 8.2. Exposure controls

|                                   |   |
|-----------------------------------|---|
|                                   |    |
| Appropriate engineering controls  | Ensure adequate ventilation of the working area.  |
| Individual protection measures    | Use as appropriate: Protective equipment.   |
| Eye / face protection             | Use as appropriate: Suitable eye protection.  |
| Skin protection - Hand protection | Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.   |
| Skin protection - Other           | Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.  |
| Respiratory protection            | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| Occupational exposure controls    | Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station. |

## Further information

|  |   |
|--|---|
|  | Remove and wash contaminated clothing before reuse. |
|--|---|

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

|                            |                   |
|----------------------------|-------------------|
| State                      | Liquid            |
| Color                      | Clear/Amber       |
| Odor                       | Odorless/Slight   |
| Flash point                | No data available |
| Evaporation rate           | No data available |
| Flammability limits        | Not applicable.   |
| Vapor pressure             | No data available |
| Relative Vapour Density    | No data available |
| Density / Relative Density | No data available |
| Partition coefficient (P)  | No data available |
| Autoignition temperature   | No data available |
| Viscosity                  | No data available |
| Explosive properties       | Not applicable.   |
| Oxidizing properties       | No data available |
| Odor threshold             | No data available |
| pH                         | No data available |
| Melting point              | No data available |
| Freezing Point             | No data available |
| Initial boiling point      | No data available |
| Solubility                 | Soluble in water  |

## 9.2. Other information

## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

## 9.2. Other information

|                                  |                   |
|----------------------------------|-------------------|
| Conductivity                     | No data available |
| Surface tension                  | No data available |
| Gas group                        | No data available |
| Benzene Content                  | No data available |
| Lead content                     | No data available |
| VOC (Volatile organic compounds) | < 0.0001 %        |

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |   |
|--|---|
|  | Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected. |
|--|---|

## 10.4. Conditions to avoid

|  |                                      |
|--|--------------------------------------|
|  | Keep away from extreme temperatures. |
|--|--------------------------------------|

## 10.5. Incompatible materials

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 10.6. Hazardous decomposition products

|  |                |
|--|----------------|
|  | Carbon oxides. |
|--|----------------|

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | May cause irritation to skin. May cause dermatitis.  |
| Serious eye damage/irritation     | May cause irritation to eyes.  |
| Respiratory or skin sensitization | May cause allergic reactions in susceptible people. May cause sensitization by skin contact.   |
| Germ cell mutagenicity            | No mutagenic effects reported.   |
| Carcinogenicity                   | No components at >0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.<br>No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs.<br>No components at >0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.<br>Not listed in the OSHA standard 1910.1003 Carcinogens. |
| Reproductive toxicity             | No teratogenic effects reported.   |
| STOT-single exposure              | May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| STOT-repeated exposure            | No Significant Hazard.   |
| Aspiration hazard                 | No Significant Hazard.   |
| Repeated or prolonged exposure    | Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.   |

## 11.1.2. Mixtures

|  |   |
|--|---|
|  | See Section(s) 3 for further information. |
|--|---|

## 11.1.3. Hazard Information

## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

## 11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

## 11.1.4. Toxicological information

No data available

## 11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

## 11.1.6. Classification Criteria

Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures.  
See Section 15 for regulatory citations.

## 11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Ingestion. Inhalation.

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

See Section(s) 4.2 for further information.

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

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## 11.2 Information on other hazards

No data available.

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6 Endocrine disrupting properties

No data is available on this product.

## 12.7 Other adverse effects

Specific test data for the mixture is not available.



## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

## Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

## Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

## Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
 If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
 If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

## Regulations

Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

## Chemical Inventories/Right-to-Know Lists:

Contact SDS@neogen.com for additional information. Please specify country or region with your request.

California Prop 65: This product does not contain reportable substances at &gt;0.0001% concentration.

## Inventories

| Ingredient                                   | TSCA | MA | SARA313 | CALPROP65 | CWA307 | CAA112 | CWA311 | SARA302 | SARA304 |
|--|------|----|---------|-----------|--------|--------|--------|---------|---------|
| 1,2-Benzisothiazol-3(2H)-one                 | Y    | N  | N       | N         | N      | N      | N      | N       | N       |
| Sodium hydroxide (Sodium hydroxide (Na(OH))) | Y    | N  | N       | N         | N      | N      | Y      | N       | N       |

## SECTION 16: Other information

## Aflatoxin M1 Conjugate Solution

Revision 3  
Revision date 2023-05-11

## Other information

|   |  |
|---|--|
| <b>Revision</b>                               | <p>This document differs from the previous version in the following areas:.</p> <p>2 - 2.1.2. Classification - GHS.</p> <p>3 - Description.</p> <p>4 - Skin contact.</p> <p>7 - 7.2. Conditions for safe storage, including any incompatibilities.</p> <p>8 - 8.1. Control parameters.</p> <p>9 - 9.2. Other information (Gas group).</p> <p>9 - 9.2. Other information (Benzene Content).</p> <p>9 - 9.2. Other information (Lead content).</p> <p>11 - Acute toxicity.</p> <p>11 - Skin corrosion/irritation.</p> <p>11 - Respiratory or skin sensitization.</p> <p>12 - 12.1. Toxicity.</p>   |
| <b>Acronyms</b>                               | <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</p> <p>CAS No.: Chemical Abstracts Service.</p> <p>CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</p> <p>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>GHS: Globally Harmonized System.</p> <p>HCS 2012: Hazard Communication Standard (2012 revision).</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: International Civil Aviation Organization.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LD: Lethal dose.</p> <p>OEL: Occupational exposure limit.</p> <p>OSHA: U.S. Occupational Safety and Health Administration.</p> <p>PEL: Permissible Exposure Limit.</p> <p>REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.</p> <p>STOT: Specific Target Organ Toxicity.</p> <p>SVHC: Substance of very high concern.</p> <p>US DOT: United States Department of Transportation.</p> <p>VOC: Volatile Organic Compound.</p> <p>WEL: Workplace Exposure Limit.</p> |
| <b>Text of Hazard Statements in Section 3</b> | <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p>   |
| <b>Maximum content of VOC</b>                 | <p>0.0001 %.</p>   |

## Further information

|  |  |
|--|--|
|  | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
|--|--|



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/10

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

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

#### 1.1. Product identifier

|              |  |
|--------------|--|
| Product name | K-Blue® Advanced Plus TMB Substrate            |
| Product code | 379171, 379175, 379176, 379177, 379257, 379xxx |

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

|             |  |
|-------------|--|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals; |
| Description | Intended for use in routine analytics, including quality control and monitoring.                                       |

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

|           |  |
|-----------|--|
| Company   | Neogen Corporation                           |
| Address   | 620 Leshler Place<br>Lansing MI 48912<br>USA |
| Web       | www.neogen.com                               |
| Telephone | 517-372-9200/800-234-5333                    |
| Email     | SDS@neogen.com                               |

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                             |   |
|-----------------------------|---|
| 2.1.2. Classification - GHS | Based on available data, this product is not classified as hazardous. |
|-----------------------------|---|

#### 2.2. Label elements

|                   |                       |
|-------------------|-----------------------|
| Hazard Statements | No Significant Hazard |
|-------------------|-----------------------|

#### 2.3. Other hazards

|               |   |
|---------------|---|
| Other hazards | Contains material(s) which may be harmful if swallowed. |
|---------------|---|

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

## 3.2. Mixtures

## EC 1272/2008

| Chemical Name          | Index No. | CAS No.  | EC No.    | REACH No. | Conc. (%w/w) | Classification   |
|------------------------|-----------|----------|-----------|-----------|--------------|--|
| Dimethyl sulfoxide     |           | 67-68-5  | 200-664-3 |           | 1 - <10%     | Flam. Liq. 4: H227; Skin Irrit. 2: H315; Eye Irrit. 2: H319; |
| Urea hydrogen peroxide |           | 124-43-6 | 204-701-4 |           | 0 - <0.5%    | Ox. Sol. 3: H272; Skin Corr. 1B: H314; Eye Dam. 1: H318;     |

## Description

Concentrations listed are not product specifications.

## Particle Characteristics

Not applicable.

## Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Inhalation   | Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.                          |
| Eye contact  | Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.   |
| Skin contact | Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.   |
| Ingestion    | Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

## 4.2. Most important symptoms and effects, both acute and delayed

|              |   |
|--------------|---|
| Inhalation   | May cause irritation to respiratory system. |
| Eye contact  | May cause irritation to eyes.               |
| Skin contact | May cause irritation to skin.               |
| Ingestion    | Ingestion may cause nausea and vomiting.    |

## 4.3. Indication of any immediate medical attention and special treatment needed

|  |  |
|--|--|
|  | Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand. |
|--|--|

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |   |
|--|---|
|  | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

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

|  |  |
|--|--|
|  | Not classifiable as flammable, but this product contains flammable substance(s) at <10.0%. Do not allow undiluted product to be released to ground water, water course or sewage system. |
|--|--|

## 5.3. Advice for firefighters

|  |   |
|--|---|
|  | Do not breathe vapor or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing. |
|--|---|

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

|  |   |
|--|---|
|  | Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure. |
|--|---|

**6.2. Environmental precautions**

|  |   |
|--|---|
|  | Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil. |
|--|---|

**6.3. Methods and material for containment and cleaning up**

|  |   |
|--|---|
|  | Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes. |
|--|---|

**6.4. Reference to other sections**

|  |  |
|--|--|
|  | See Section(s) 2, 8, and 13 for further information. |
|--|--|

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

|  |  |
|--|--|
|  | Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.<br>Read the entire label and follow all use directions, restrictions, and precautions. |
|--|--|

**7.2. Conditions for safe storage, including any incompatibilities**

|  |   |
|--|---|
|  | Store at temperatures between 2 °C and 30 °C. Follow label instructions.<br>Store in correctly labeled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. |
|--|---|

**7.3. Specific end use(s)**

|  |   |
|--|---|
|  | See Section(s) 1.2 for further information. |
|--|---|

**Further information**

|  |   |
|--|---|
|  | Refer to product label and/or package insert for additional information. Follow label instructions. |
|--|---|

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

|  |  |
|--|--|
|  | No occupational exposure limits known. |
|--|--|

**8.2. Exposure controls****Appropriate engineering controls**

|  |  |
|--|--|
|  | Ensure adequate ventilation of the working area. |
|--|--|

**Individual protection measures**

|  |   |
|--|---|
|  | Use as appropriate: Protective equipment. |
|--|---|

**Eye / face protection**

|  |  |
|--|--|
|  | Use as appropriate: Suitable eye protection. |
|--|--|

**Skin protection - Hand protection**

|  |   |
|--|---|
|  | Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them. |
|--|---|

**Skin protection - Other**

|  |  |
|--|--|
|  | Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other |
|--|--|

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

## 8.2. Exposure controls

|  |   |
|--|---|
| Respiratory protection<br>Occupational exposure controls | laundry, with detergent and water before reuse.   |
|  | In case of insufficient ventilation, wear suitable respiratory equipment.   |
|  | Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station. |

## Further information

|   |
|---|
| Remove and wash contaminated clothing before reuse. |
|---|

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

|                                   |                   |
|-----------------------------------|-------------------|
| <b>State</b>                      | Liquid            |
| <b>Color</b>                      | Clear/Colorless   |
| <b>Odor</b>                       | Odorless          |
| <b>Odor threshold</b>             | No data available |
| <b>pH</b>                         | 3.1 - 3.4         |
| <b>Melting point</b>              | No data available |
| <b>Freezing Point</b>             | No data available |
| <b>Initial boiling point</b>      | No data available |
| <b>Flash point</b>                | No data available |
| <b>Evaporation rate</b>           | No data available |
| <b>Flammability limits</b>        | Not applicable.   |
| <b>Vapor pressure</b>             | No data available |
| <b>Relative Vapour Density</b>    | No data available |
| <b>Density / Relative Density</b> | No data available |
| <b>Partition coefficient (P)</b>  | No data available |
| <b>Autoignition temperature</b>   | Not applicable.   |
| <b>Viscosity</b>                  | No data available |
| <b>Explosive properties</b>       | Not applicable.   |
| <b>Oxidizing properties</b>       | No data available |
| <b>Solubility</b>                 | Soluble in water  |



## 9.2. Other information

|   |                   |
|---|-------------------|
| <b>Conductivity</b>                     | No data available |
| <b>Surface tension</b>                  | No data available |
| <b>Gas group</b>                        | No data available |
| <b>Benzene Content</b>                  | No data available |
| <b>Lead content</b>                     | No data available |
| <b>VOC (Volatile organic compounds)</b> | No data available |

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|                                 |
|---------------------------------|
| Stable under normal conditions. |
|---------------------------------|

## 10.2. Chemical stability

|                                 |
|---------------------------------|
| Stable under normal conditions. |
|---------------------------------|

## 10.3. Possibility of hazardous reactions

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

## 10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

## 10.4. Conditions to avoid

Keep away from extreme temperatures.

## 10.5. Incompatible materials

No data available.

## 10.6. Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

|                                   |  |
|-----------------------------------|--|
| Acute toxicity                    | Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.   |
| Skin corrosion/irritation         | May cause irritation to skin.  |
| Serious eye damage/irritation     | May cause irritation to eyes.  |
| Respiratory or skin sensitization | May cause allergic reactions in susceptible people.  |
| Germ cell mutagenicity            | No mutagenic effects reported.   |
| Carcinogenicity                   | No components at >0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.<br>No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs.<br>No components at >0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.<br>Not listed in the OSHA standard 1910.1003 Carcinogens. |
| Reproductive toxicity             | No teratogenic effects reported.   |
| STOT-single exposure              | May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| STOT-repeated exposure            | No Significant Hazard.   |
| Aspiration hazard                 | No Significant Hazard.   |
| Repeated or prolonged exposure    | Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.   |

## 11.1.2. Mixtures

See Section(s) 3 for further information.

## 11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

## 11.1.4. Toxicological information

No data available

## 11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

## 11.1.6. Classification Criteria

Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.

## 11.1.7. Information on likely routes of exposure

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

## 11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Ingestion. Inhalation.

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

See Section(s) 4.2 for further information.

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

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

&lt;1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6 Endocrine disrupting properties

No data is available on this product.

## 12.7 Other adverse effects

Specific test data for the mixture is not available.

## Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

## Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

## Disposal of packaging



## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

## Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
 If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
 If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

|  |   |
|--|---|
| <b>Regulations</b>                               | Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.   |
| <b>Chemical Inventories/Right-to-Know Lists:</b> | <p>--International--</p> <p>Basel Convention (Hazardous Waste): Not applicable.<br/>         Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.<br/>         Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.<br/>         Mercosur Agreement: Applicable.<br/>         Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.<br/>         The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.<br/>         The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [899, Urea peroxide, CAS No. 124-43-6 (&lt;0.1%)].<br/>         Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.<br/>         Air Pollution Control Law (Japan): This product contains no hazardous substances at or above</p> |

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

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

published reporting levels.

Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.

Poisonous and Deleterious Substances Act (Japan): This product contains no hazardous substances at or above published reporting levels.

PRTR-SDS Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Soil Contamination Countermeasures Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Water Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969);, All ingredients listed or exempt., No restrictions.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): Decree 113/2017/ND-CP: List of chemicals subject to compulsory declaration, Decree 113/2017/ND-CP: List of chemicals subject to conditional industrial production and trading, [Urea peroxide, CAS No. 124-43-6 (<0.1%)].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorization List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: This product contains no hazardous substances at or above published reporting levels.

New Jersey Worker and Community Right to Know Act: Dimethyl sulfoxide, CAS No.67-68-5.

Pennsylvania Right to Know Law: This product contains no hazardous substances at or above published reporting levels.

## K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

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

|  |   |
|--|---|
|  | <p>Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.</p> <p>California Prop 65: This product does not contain reportable substances at &gt;0.0001% concentration.</p> |
|--|---|

## SECTION 16: Other information

## Other information

|   |  |
|---|--|
| <b>Revision</b>                               | <p>This document differs from the previous version in the following areas:.</p> <p>1 - Description.<br/>3 - Description.<br/>3 - Particle Characteristics.<br/>5 - 5.2. Special hazards arising from the substance or mixture.<br/>7 - 7.2. Conditions for safe storage, including any incompatibilities.<br/>9 - 9.2. Other information (Gas group).<br/>11 - Acute toxicity.<br/>15 - Chemical Inventories/Right-to-Know Lists:.</p>   |
| <b>Acronyms</b>                               | <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).<br/>CAS No.: Chemical Abstracts Service.<br/>CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).<br/>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.<br/>GHS: Globally Harmonized System.<br/>HCS 2012: Hazard Communication Standard (2012 revision).<br/>IATA: International Air Transport Association.<br/>ICAO: International Civil Aviation Organization.<br/>IMDG: International Maritime Dangerous Goods.<br/>LD: Lethal dose.<br/>OEL: Occupational exposure limit.<br/>OSHA: U.S. Occupational Safety and Health Administration.<br/>PEL: Permissible Exposure Limit.<br/>REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.<br/>STOT: Specific Target Organ Toxicity.<br/>SVHC: Substance of very high concern.<br/>US DOT: United States Department of Transportation.<br/>VOC: Volatile Organic Compound.<br/>WEL: Workplace Exposure Limit.</p> |
| <b>Text of Hazard Statements in Section 3</b> | <p>Flam. Liq. 4: H227 - Combustible liquid.<br/>Skin Irrit. 2: H315 - Causes skin irritation.<br/>Eye Irrit. 2: H319 - Causes serious eye irritation.<br/>Ox. Sol. 3: H272 - May intensify fire; oxidiser.<br/>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.<br/>Eye Dam. 1: H318 - Causes serious eye damage.</p>  |

## Further information

|  |  |
|--|--|
|  | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> |
|--|--|

# K-Blue® Advanced Plus TMB Substrate

Revision 2  
Revision date 2023-03-16

## Further information

Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.





# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

## Red Stop Solution

Revision 7  
Revision date 2023-03-16

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

#### 1.1. Product identifier

|              |  |
|--------------|--|
| Product name | Red Stop Solution                              |
| Product code | 301210, 301471, 301473, 301474, 301475, 301476 |

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

|             |  |
|-------------|--|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals; |
| Description | Intended for use in routine analytics, including quality control and monitoring.                                       |

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

|           |  |
|-----------|--|
| Company   | Neogen Corporation                           |
| Address   | 620 Leshler Place<br>Lansing MI 48912<br>USA |
| Web       | www.neogen.com                               |
| Telephone | 517-372-9200/800-234-5333                    |
| Email     | SDS@neogen.com                               |

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                             |   |
|-----------------------------|---|
| 2.1.2. Classification - GHS | Based on available data, this product is not classified as hazardous. |
|-----------------------------|---|

#### 2.2. Label elements

|                   |                       |
|-------------------|-----------------------|
| Hazard Statements | No Significant Hazard |
|-------------------|-----------------------|

#### 2.3. Other hazards

|               |   |
|---------------|---|
| Other hazards | Contains material(s) which may be harmful if swallowed. |
|---------------|---|

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## Red Stop Solution

Revision 7  
Revision date 2023-03-16

## 3.2. Mixtures

## EC 1272/2008

| Chemical Name    | Index No. | CAS No.   | EC No.    | REACH No. | Conc. (%w/w) | Classification  |
|------------------|-----------|-----------|-----------|-----------|--------------|---|
| Sodium fluoride. |           | 7681-49-4 | 231-667-8 |           | 0 - 0.5%     | Acute Tox. 3: H301; Skin Corr. 1C: H314; Eye Irrit. 2: H319; Aquatic Acute 3: H402; |

## Description

Concentrations listed are not product specifications.

## Particle Characteristics

Not applicable.

## Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Inhalation   | Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.                          |
| Eye contact  | Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.   |
| Skin contact | Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.   |
| Ingestion    | Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

## 4.2. Most important symptoms and effects, both acute and delayed

|              |   |
|--------------|---|
| Inhalation   | May cause irritation to respiratory system. |
| Eye contact  | May cause irritation to eyes.               |
| Skin contact | May cause irritation to skin.               |
| Ingestion    | Ingestion may cause nausea and vomiting.    |

## 4.3. Indication of any immediate medical attention and special treatment needed

Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

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

Product does not support combustion. Do not allow undiluted product to be released to ground water, water course or sewage system.

## 5.3. Advice for firefighters

Do not breathe vapor or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

## SECTION 6: Accidental release measures

# Red Stop Solution

Revision 7  
Revision date 2023-03-16

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

|  |   |
|--|---|
|  | Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure. |
|--|---|

## 6.2. Environmental precautions

|  |   |
|--|---|
|  | Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil. |
|--|---|

## 6.3. Methods and material for containment and cleaning up

|  |   |
|--|---|
|  | Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes. |
|--|---|

## 6.4. Reference to other sections

|  |  |
|--|--|
|  | See Section(s) 2, 8, and 13 for further information. |
|--|--|

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|  |  |
|--|--|
|  | Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.<br>Read the entire label and follow all use directions, restrictions, and precautions. |
|--|--|

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

|  |  |
|--|--|
|  | Store at temperatures between 2 °C and 30 °C. Follow label instructions.<br>Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. |
|--|--|

### 7.3. Specific end use(s)

|  |   |
|--|---|
|  | See Section(s) 1.2 for further information. |
|--|---|

### Further information


|  |   |
|--|---|
|  | Refer to product label and/or package insert for additional information. Follow label instructions. |
|--|---|

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

|  |  |
|--|--|
|  | No occupational exposure limits known. |
|--|--|

### 8.2. Exposure controls

|                                   |  |
|-----------------------------------|--|
|                                   |   |
| Appropriate engineering controls  | Ensure adequate ventilation of the working area.   |
| Individual protection measures    | Use as appropriate: Protective equipment.  |
| Eye / face protection             | Use as appropriate: Suitable eye protection.   |
| Skin protection - Hand protection | Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.            |
| Skin protection - Other           | Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse. |
| Respiratory protection            | In case of insufficient ventilation, wear suitable respiratory equipment.  |

## Red Stop Solution

Revision 7  
Revision date 2023-03-16

## 8.2. Exposure controls

|                                |   |
|--------------------------------|---|
| Occupational exposure controls | Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station. |
|--------------------------------|---|

## Further information

|  |   |
|--|---|
|  | Remove and wash contaminated clothing before reuse. |
|--|---|

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

|                            |                   |
|----------------------------|-------------------|
| State                      | Liquid            |
| Color                      | Clear/Red         |
| Odor                       | Characteristic    |
| Odor threshold             | No data available |
| pH                         | 8.7               |
| Melting point              | No data available |
| Freezing Point             | No data available |
| Initial boiling point      | No data available |
| Flash point                | No data available |
| Evaporation rate           | No data available |
| Flammability limits        | Not applicable.   |
| Vapor pressure             | No data available |
| Relative Vapour Density    | No data available |
| Density / Relative Density | No data available |
| Partition coefficient (P)  | No data available |
| Autoignition temperature   | No data available |
| Viscosity                  | No data available |
| Explosive properties       | Not applicable.   |
| Oxidizing properties       | No data available |
| Solubility                 | Soluble in water  |



## 9.2. Other information

|                                  |                   |
|----------------------------------|-------------------|
| Conductivity                     | No data available |
| Surface tension                  | No data available |
| Gas group                        | No data available |
| Benzene Content                  | No data available |
| Lead content                     | No data available |
| VOC (Volatile organic compounds) | No data available |

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |   |
|--|---|
|  | Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected. |
|--|---|



# Red Stop Solution

Revision 7  
Revision date 2023-03-16

## 10.4. Conditions to avoid

|  |                                      |
|--|--------------------------------------|
|  | Keep away from extreme temperatures. |
|--|--------------------------------------|

## 10.5. Incompatible materials

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 10.6. Hazardous decomposition products

|  |                |
|--|----------------|
|  | Carbon oxides. |
|--|----------------|

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes

|                                   |  |
|-----------------------------------|--|
| Acute toxicity                    | Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.   |
| Skin corrosion/irritation         | May cause irritation to skin.  |
| Serious eye damage/irritation     | May cause irritation to eyes.  |
| Respiratory or skin sensitization | May cause allergic reactions in susceptible people.  |
| Germ cell mutagenicity            | No mutagenic effects reported.   |
| Carcinogenicity                   | No components at >0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.<br>No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs.<br>No components at >0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.<br>Not listed in the OSHA standard 1910.1003 Carcinogens. |
| Reproductive toxicity             | No teratogenic effects reported.   |
| STOT-single exposure              | May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| STOT-repeated exposure            | No Significant Hazard.   |
| Aspiration hazard                 | No Significant Hazard.   |
| Repeated or prolonged exposure    | Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.   |

#### 11.1.2. Mixtures

|  |   |
|--|---|
|  | See Section(s) 3 for further information. |
|--|---|

#### 11.1.3. Hazard Information

|  |   |
|--|---|
|  | See Section(s) 2 and 3 for further information. |
|--|---|

#### 11.1.4. Toxicological information

|  |                   |
|--|-------------------|
|  | No data available |
|--|-------------------|

#### 11.1.5. Hazard Class

|  |  |
|--|--|
|  | See Section(s) 2 and 14 for further information. |
|--|--|

#### 11.1.6. Classification Criteria

|  |   |
|--|---|
|  | Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations. |
|--|---|

#### 11.1.7. Information on likely routes of exposure

|  |   |
|--|---|
|  | Eye contact. Skin contact. Ingestion. Inhalation. |
|--|---|

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

|  |   |
|--|---|
|  | See Section(s) 4.2 for further information. |
|--|---|

# Red Stop Solution

Revision 7  
Revision date 2023-03-16

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

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6 Endocrine disrupting properties

No data is available on this product.

### 12.7 Other adverse effects

Specific test data for the mixture is not available.

### Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

# Red Stop Solution

Revision 7  
Revision date 2023-03-16

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

|  |  |
|--|--|
| <b>Regulations</b>                               | Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.  |
| <b>Chemical Inventories/Right-to-Know Lists:</b> | <p>--International--</p> <p>Basel Convention (Hazardous Waste): Not applicable.</p> <p>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</p> <p>Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [754, Sodium fluoride, CAS No. 7681-49-4 (&lt;0.5%)].</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.</p> <p>Air Pollution Control Law (Japan): Hazardous substance / Priority chemicals, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (&lt;0.5%)].</p> <p>Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (&lt;0.5%)].</p> <p>Poisonous and Deleterious Substances Act (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>PRTR-SDS Law (Japan): Class I environmental release, [374, Sodium fluoride (fluorine</p> |

# Red Stop Solution

Revision 7  
Revision date 2023-03-16

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

compounds), CAS No. 7681-49-4 (<0.5%)).

Soil Contamination Countermeasures Act (Japan): Class 2, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (<0.5%)].

Water Pollution Control Law (Japan): Harmful substance, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (<0.5%)].

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, All ingredients listed or exempt., No restrictions.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): Decree 113/2017/ND-CP: List of chemicals subject to compulsory declaration, Decree 113/2017/ND-CP: List of chemicals subject to conditional industrial production and trading, [Sodium fluoride, CAS No. 7681-49-4 (<0.5%)].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorization List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: This product contains no hazardous substances at or above published reporting levels.

New Jersey Worker and Community Right to Know Act: This product contains no hazardous substances at or above published reporting levels.

Pennsylvania Right to Know Law: This product contains no hazardous substances at or above published reporting levels.

Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.

California Prop 65: This product does not contain reportable substances at >0.0001% concentration.

## SECTION 16: Other information

# Red Stop Solution

Revision 7  
Revision date 2023-03-16

## Other information

|   |  |
|---|--|
| <b>Revision</b>                               | <p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - Description.</li> <li>3 - Description.</li> <li>3 - Particle Characteristics.</li> <li>7 - 7.2. Conditions for safe storage, including any incompatibilities.</li> <li>9 - 9.2. Other information (Gas group).</li> <li>11 - Acute toxicity.</li> <li>15 - Chemical Inventories/Right-to-Know Lists:.</li> </ul>  |
| <b>Acronyms</b>                               | <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).<br/> CAS No.: Chemical Abstracts Service.<br/> CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).<br/> FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.<br/> GHS: Globally Harmonized System.<br/> HCS 2012: Hazard Communication Standard (2012 revision).<br/> IATA: International Air Transport Association.<br/> ICAO: International Civil Aviation Organization.<br/> IMDG: International Maritime Dangerous Goods.<br/> LD: Lethal dose.<br/> OEL: Occupational exposure limit.<br/> OSHA: U.S. Occupational Safety and Health Administration.<br/> PEL: Permissible Exposure Limit.<br/> REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.<br/> STOT: Specific Target Organ Toxicity.<br/> SVHC: Substance of very high concern.<br/> US DOT: United States Department of Transportation.<br/> VOC: Volatile Organic Compound.<br/> WEL: Workplace Exposure Limit.</p> |
| <b>Text of Hazard Statements in Section 3</b> | <p>Acute Tox. 3: H301 - Toxic if swallowed.<br/> Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.<br/> Eye Irrit. 2: H319 - Causes serious eye irritation.<br/> Aquatic Acute 3: H402 - Harmful to aquatic life.</p>   |

## Further information

|  |  |
|--|--|
|  | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
|--|--|



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

## Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

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

#### 1.1. Product identifier

|              |                              |
|--------------|------------------------------|
| Product name | Wash Buffer Concentrate, 25X |
| Product code | 8428, 24218, 24269           |

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

|             |   |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;                  |
| Description | Intended for use in routine analytics, including quality control and monitoring. Do not use components from one kit with any other kit. |

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

|           |  |
|-----------|--|
| Company   | Neogen Corporation                           |
| Address   | 620 Leshler Place<br>Lansing MI 48912<br>USA |
| Web       | www.neogen.com                               |
| Telephone | 517-372-9200/800-234-5333                    |
| Email     | SDS@neogen.com                               |

#### 1.4. Emergency telephone number

|  |  |
|--|--|
|  | 24 hours:<br>Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)<br>Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international) |
|--|--|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                             |   |
|-----------------------------|---|
| 2.1.2. Classification - GHS | Based on available data, this product is not classified as hazardous. |
|-----------------------------|---|

#### 2.2. Label elements

|                   |                       |
|-------------------|-----------------------|
| Hazard Statements | No Significant Hazard |
|-------------------|-----------------------|

#### 2.3. Other hazards

|               |  |
|---------------|--|
| Other hazards | Contains material(s) which may damage fertility or the unborn child. Contains substance(s) which are hazardous to the environment. |
|---------------|--|

### SECTION 3: Composition/information on ingredients

#### Description

|  |  |
|--|--|
|  | No components need to be disclosed according to the applicable regulations.<br>Concentrations listed are not product specifications. |
|--|--|

# Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

## Particle Characteristics

Not applicable.

## Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Inhalation   | Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.                          |
| Eye contact  | Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.   |
| Skin contact | Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.   |
| Ingestion    | Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

### 4.2. Most important symptoms and effects, both acute and delayed

|              |   |
|--------------|---|
| Inhalation   | May cause irritation to respiratory system. |
| Eye contact  | May cause irritation to eyes.               |
| Skin contact | May cause irritation to skin.               |
| Ingestion    | Ingestion may cause nausea and vomiting.    |

### 4.3. Indication of any immediate medical attention and special treatment needed

Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

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

Contains substance(s) which are hazardous to the environment. Do not allow undiluted product to be released to ground water, water course or sewage system.

### 5.3. Advice for firefighters

Do not breathe vapor or spray mist. Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

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

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

### 6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

### 6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

# Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

## 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.  
Read the entire label and follow all use directions, restrictions, and precautions.

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

Store at temperatures between 2 °C and 30 °C. Follow label instructions.  
Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No occupational exposure limits known.

### 8.2. Exposure controls



Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Use as appropriate: Protective equipment.

Eye / face protection

Use as appropriate: Suitable eye protection.

Skin protection - Hand protection

Use as appropriate: Chemical-resistant gloves made of any waterproof material.

Skin protection - Other

Use as appropriate: Protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

### Further information

Remove and wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties



## Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

## 9.1. Information on basic physical and chemical properties

|                                   |                   |
|-----------------------------------|-------------------|
| <b>State</b>                      | Liquid            |
| <b>Color</b>                      | Clear/Colorless   |
| <b>Odor</b>                       | Odorless/Slight   |
| <b>Odor threshold</b>             | No data available |
| <b>pH</b>                         | No data available |
| <b>Melting point</b>              | No data available |
| <b>Freezing Point</b>             | No data available |
| <b>Initial boiling point</b>      | No data available |
| <b>Flash point</b>                | No data available |
| <b>Evaporation rate</b>           | No data available |
| <b>Flammability limits</b>        | Not applicable.   |
| <b>Vapor pressure</b>             | No data available |
| <b>Relative Vapour Density</b>    | No data available |
| <b>Density / Relative Density</b> | No data available |
| <b>Partition coefficient (P)</b>  | No data available |
| <b>Autoignition temperature</b>   | No data available |
| <b>Viscosity</b>                  | No data available |
| <b>Explosive properties</b>       | Not applicable.   |
| <b>Oxidizing properties</b>       | No data available |
| <b>Solubility</b>                 | Soluble in water  |

## 9.2. Other information

|   |                   |
|---|-------------------|
| <b>Conductivity</b>                     | No data available |
| <b>Surface tension</b>                  | No data available |
| <b>Gas group</b>                        | No data available |
| <b>Benzene Content</b>                  | No data available |
| <b>Lead content</b>                     | No data available |
| <b>VOC (Volatile organic compounds)</b> | No data available |

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |   |
|--|---|
|  | Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected. |
|--|---|

## 10.4. Conditions to avoid

|  |                                      |
|--|--------------------------------------|
|  | Keep away from extreme temperatures. |
|--|--------------------------------------|

## 10.5. Incompatible materials

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 10.6. Hazardous decomposition products

|  |                |
|--|----------------|
|  | Carbon oxides. |
|--|----------------|

## Wash Buffer Concentrate, 25X

Revision 2

Revision date 2023-03-09

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

|                                   |   |
|-----------------------------------|---|
| Acute toxicity                    | Based on available data, the classification criteria are not met.   |
| Skin corrosion/irritation         | May cause irritation to skin.   |
| Serious eye damage/irritation     | May cause irritation to eyes.   |
| Respiratory or skin sensitization | May cause allergic reactions in susceptible people.   |
| Germ cell mutagenicity            | No mutagenic effects reported.  |
| Carcinogenicity                   | No components at >0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.<br>Listed by the International Agency for Research on Cancer (IARC) as a Group 2 substance: suspected of being a human carcinogen, [Thimerosal (mercury compounds), CAS No. 54-64-8 (<0.05%)].<br>No components at >0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.<br>Not listed in the OSHA standard 1910.1003 Carcinogens. |
| Reproductive toxicity             | Contains material(s) which may damage fertility or the unborn child.  |
| STOT-single exposure              | May cause allergy or asthma symptoms or breathing difficulties if inhaled.  |
| STOT-repeated exposure            | No Significant Hazard.  |
| Aspiration hazard                 | No Significant Hazard.  |
| Repeated or prolonged exposure    | Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.  |

## 11.1.2. Mixtures

See Section(s) 3 for further information.

## 11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

## 11.1.4. Toxicological information

No data available

## 11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

## 11.1.6. Classification Criteria

Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures.  
See Section 15 for regulatory citations.

## 11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Ingestion. Inhalation.

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

See Section(s) 4.2 for further information.

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

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

&lt;1% of this mixture consists of ingredients of unknown acute toxicity.

## Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

**SECTION 12: Ecological information**

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6 Endocrine disrupting properties

No data is available on this product.

## 12.7 Other adverse effects

Contains substance(s) which are hazardous to the environment. Specific test data for the mixture is not available.

## Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

**SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

## Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

## Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.

If empty: Do not reuse this container. Place in trash or offer for recycling, if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**SECTION 14: Transport information**

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

# Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

|  |   |
|--|---|
| <b>Regulations</b>                               | Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.   |
| <b>Chemical Inventories/Right-to-Know Lists:</b> | <p>--International--</p> <p>Basel Convention (Hazardous Waste): Not applicable.</p> <p>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</p> <p>Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Rotterdam Convention: Annex III, (pesticide), [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [2581, Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.</p> <p>Air Pollution Control Law (Japan): Hazardous substance / Priority chemicals, [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Poisonous and Deleterious Substances Act (Japan): Poisonous, [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>PRTR-SDS Law (Japan): Class I environmental release, [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Soil Contamination Countermeasures Act (Japan): Class 2, [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Water Pollution Control Law (Japan): Harmful substance, [Thimerosal (mercury compounds), CAS</p> |

# Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

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

No. 54-64-8 (<0.05%]).

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, Toxic substance, [Thimerosal (mercury compounds), CAS No. 54-64-8 (<0.05%)].

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): This product contains no hazardous substances at or above published reporting levels.

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorization List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: Sodium phosphate dibasic, CAS No. 7558-79-4.

New Jersey Worker and Community Right to Know Act: Sodium phosphate dibasic, CAS No. 7558-79-4.

Pennsylvania Right to Know Law: Phosphoric acid, disodium salt, CAS No. 7558-79-4.

Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.

**\*\*California residents please note\*\***

WARNING: This product can expose you to chemicals, including Thimerosal (mercury compounds), CAS No. 54-64-8 (<0.05%), which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

### Other information

#### Revision

This document differs from the previous version in the following areas:.  
1 - Description.

## Wash Buffer Concentrate, 25X

Revision 2  
Revision date 2023-03-09

## Other information

|          |   |
|----------|---|
| Acronyms | <p>3 - Particle Characteristics.<br/> 7 - 7.2. Conditions for safe storage, including any incompatibilities.<br/> 9 - 9.2. Other information (Conductivity).<br/> 9 - 9.2. Other information (Gas group).<br/> 9 - 9.2. Other information (Surface tension).<br/> 9 - 9.2. Other information (Benzene Content).<br/> 9 - 9.2. Other information (Lead content).<br/> 14 - 14.7 Maritime Transport in bulk according to IMO instruments.<br/> 15 - Chemical Inventories/Right-to-Know Lists:.</p> <hr/> <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).<br/> CAS No.: Chemical Abstracts Service.<br/> CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).<br/> FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.<br/> GHS: Globally Harmonized System.<br/> HCS 2012: Hazard Communication Standard (2012 revision).<br/> IATA: International Air Transport Association.<br/> ICAO: International Civil Aviation Organization.<br/> IMDG: International Maritime Dangerous Goods.<br/> LD: Lethal dose.<br/> OEL: Occupational exposure limit.<br/> OSHA: U.S. Occupational Safety and Health Administration.<br/> PEL: Permissible Exposure Limit.<br/> REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.<br/> STOT: Specific Target Organ Toxicity.<br/> SVHC: Substance of very high concern.<br/> US DOT: United States Department of Transportation.<br/> VOC: Volatile Organic Compound.<br/> WEL: Workplace Exposure Limit.</p> |
|----------|---|

## Further information

|  |  |
|--|--|
|  | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
|--|--|

# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

## Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

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

#### 1.1. Product identifier

|              |                             |
|--------------|-----------------------------|
| Product name | Aflatoxin M1 Sample Diluent |
| Product code | (8019)                      |

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

|             |   |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;                  |
| Description | Intended for use in routine analytics, including quality control and monitoring. Do not use components from one kit with any other kit. |

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

|           |   |
|-----------|---|
| Company   | Neogen Corporation                          |
| Address   | 620 Leshar Place<br>Lansing MI 48912<br>USA |
| Web       | www.neogen.com                              |
| Telephone | 517-372-9200/800-234-5333                   |
| Email     | SDS@neogen.com                              |

#### 1.4. Emergency telephone number


|  |  |
|--|--|
|  | 24 hours:<br>Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)<br>Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international) |
|--|--|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                             |                     |
|-----------------------------|---------------------|
| 2.1.2. Classification - GHS | Skin Sens. 1: H317; |
|-----------------------------|---------------------|

#### 2.2. Label elements

|                                     |  |
|-------------------------------------|--|
| Hazard pictograms                   |   |
| Signal Word                         | Warning  |
| Hazard Statement                    | Skin Sens. 1: H317 - May cause an allergic skin reaction.  |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response   | P302+P352 - IF ON SKIN: Wash with plenty of water/ .<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.   |

## Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

## 2.2. Label elements

|  |  |
|--|--|
| <b>Precautionary Statement: Disposal</b> | P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations. |
|--|--|

## 2.3. Other hazards

|                      |   |
|----------------------|---|
| <b>Other hazards</b> | Contains material(s) which may be harmful if swallowed. |
|----------------------|---|

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

| Chemical Name      | Index No. | CAS No.   | EC No.    | REACH No. | Conc. (%w/w) | Classification                           |
|--------------------|-----------|-----------|-----------|-----------|--------------|--|
| Gentamicin sulfate |           | 1405-41-0 | 215-778-9 |           | 0 - <0.5%    | Skin Sens. 1: H317; Resp. Sens. 1: H334; |

## Description

|  |   |
|--|---|
|  | Concentrations listed are not product specifications. |
|--|---|

## Particle Characteristics

|  |                 |
|--|-----------------|
|  | Not applicable. |
|--|-----------------|

## Further information

|  |  |
|--|--|
|  | Full text of Hazard Statements listed in this Section is provided in Section 16. |
|--|--|

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.                          |
| <b>Eye contact</b>  | Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.   |
| <b>Skin contact</b> | Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.   |
| <b>Ingestion</b>    | Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

## 4.2. Most important symptoms and effects, both acute and delayed

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation to respiratory system.         |
| <b>Eye contact</b>  | May cause irritation to eyes.                       |
| <b>Skin contact</b> | May cause irritation to skin. May cause dermatitis. |
| <b>Ingestion</b>    | Ingestion may cause nausea and vomiting.            |

## 4.3. Indication of any immediate medical attention and special treatment needed

|  |  |
|--|--|
|  | Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand. |
|--|--|

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |   |
|--|---|
|  | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

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

|  |  |
|--|--|
|  | Product does not support combustion. Do not allow undiluted product to be released to ground |
|--|--|



# Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

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

water, water course or sewage system.

## 5.3. Advice for firefighters

Do not breathe vapor or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

## SECTION 6: Accidental release measures

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

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

### 6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

### 6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

### 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.  
Read the entire label and follow all use directions, restrictions, and precautions.

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

Store at temperatures between 2 °C and 8 °C. Do NOT allow to freeze. Follow label instructions. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### Exposure Limit Values


## Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

## Exposure Limit Values

|                  |   |  |
|------------------|---|--|
| Sodium hydroxide | ACGIH TLV TWA: -<br>Notations: -<br>OSHA PEL 8hr TWA mg m3: 2<br>NIOSH REL 10hr TWA ppm:<br>NIOSH REL 15 min ST ppm:                      | ACGIH TLV STEL: C 2 mg/m <sup>3</sup><br>OSHA PEL 8hr TWA ppm: -<br>Skin Designation: -<br>NIOSH REL 10hr TWA mg m3:<br>NIOSH REL 15 min ST mg m3: |
| Sucrose          | ACGIH TLV TWA: 10 mg/m <sup>3</sup><br>Notations: A4<br>OSHA PEL 8hr TWA mg m3: 15<br>NIOSH REL 10hr TWA ppm:<br>NIOSH REL 15 min ST ppm: | ACGIH TLV STEL: -<br>OSHA PEL 8hr TWA ppm: -<br>Skin Designation: -<br>NIOSH REL 10hr TWA mg m3:<br>NIOSH REL 15 min ST mg m3:                     |

## 8.2. Exposure controls

|                                   |   |
|-----------------------------------|---|
|                                   |    |
| Appropriate engineering controls  | Ensure adequate ventilation of the working area.  |
| Individual protection measures    | Use as appropriate: Protective equipment.   |
| Eye / face protection             | Use as appropriate: Suitable eye protection.  |
| Skin protection - Hand protection | Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.   |
| Skin protection - Other           | Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.  |
| Respiratory protection            | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| Occupational exposure controls    | Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station. |
| Further information               |   |
|                                   | Remove and wash contaminated clothing before reuse.   |

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## Aflatoxin M1 Sample Diluent

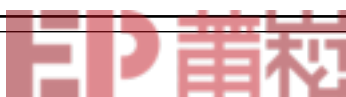
Revision 3  
Revision date 2023-05-12

## 9.1. Information on basic physical and chemical properties

|                                   |                   |
|-----------------------------------|-------------------|
| <b>State</b>                      | Liquid            |
| <b>Color</b>                      | Opaque/White      |
| <b>Odor</b>                       | Slight            |
| <b>Odor threshold</b>             | No data available |
| <b>pH</b>                         | No data available |
| <b>Melting point</b>              | No data available |
| <b>Freezing Point</b>             | No data available |
| <b>Initial boiling point</b>      | No data available |
| <b>Flash point</b>                | No data available |
| <b>Evaporation rate</b>           | No data available |
| <b>Flammability limits</b>        | Not applicable.   |
| <b>Vapor pressure</b>             | No data available |
| <b>Relative Vapour Density</b>    | No data available |
| <b>Density / Relative Density</b> | No data available |
| <b>Partition coefficient (P)</b>  | No data available |
| <b>Autoignition temperature</b>   | No data available |
| <b>Viscosity</b>                  | No data available |
| <b>Explosive properties</b>       | Not applicable.   |
| <b>Oxidizing properties</b>       | No data available |
| <b>Solubility</b>                 | Soluble in water  |

## 9.2. Other information

|   |                   |
|---|-------------------|
| <b>Conductivity</b>                     | No data available |
| <b>Surface tension</b>                  | No data available |
| <b>Gas group</b>                        | No data available |
| <b>Benzene Content</b>                  | No data available |
| <b>Lead content</b>                     | No data available |
| <b>VOC (Volatile organic compounds)</b> | No data available |



## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |   |
|--|---|
|  | Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected. |
|--|---|

## 10.4. Conditions to avoid

|  |                                      |
|--|--------------------------------------|
|  | Keep away from extreme temperatures. |
|--|--------------------------------------|

## 10.5. Incompatible materials

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 10.6. Hazardous decomposition products

|  |                |
|--|----------------|
|  | Carbon oxides. |
|--|----------------|

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

## Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

## 11.1 Information on hazard classes

|                                   |  |
|-----------------------------------|--|
| Acute toxicity                    | Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.   |
| Skin corrosion/irritation         | May cause irritation to skin.  |
| Serious eye damage/irritation     | May cause irritation to eyes.  |
| Respiratory or skin sensitization | May cause allergic reactions in susceptible people. May cause sensitization by skin contact.   |
| Germ cell mutagenicity            | No mutagenic effects reported.   |
| Carcinogenicity                   | No components at >0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.<br>No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs.<br>No components at >0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.<br>Not listed in the OSHA standard 1910.1003 Carcinogens. |
| Reproductive toxicity             | No teratogenic effects reported.   |
| STOT-single exposure              | May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| STOT-repeated exposure            | No Significant Hazard.   |
| Aspiration hazard                 | No Significant Hazard.   |
| Repeated or prolonged exposure    | Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.   |

## 11.1.2. Mixtures

|  |   |
|--|---|
|  | See Section(s) 3 for further information. |
|--|---|

## 11.1.3. Hazard Information

|  |   |
|--|---|
|  | See Section(s) 2 and 3 for further information. |
|--|---|

## 11.1.4. Toxicological information

|  |                   |
|--|-------------------|
|  | No data available |
|--|-------------------|

## 11.1.5. Hazard Class

|  |  |
|--|--|
|  | See Section(s) 2 and 14 for further information. |
|--|--|

## 11.1.6. Classification Criteria

|  |  |
|--|--|
|  | Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures.<br>See Section 15 for regulatory citations. |
|--|--|

## 11.1.7. Information on likely routes of exposure

|  |   |
|--|---|
|  | Eye contact. Skin contact. Ingestion. Inhalation. |
|--|---|

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

|  |   |
|--|---|
|  | See Section(s) 4.2 for further information. |
|--|---|

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

|  |   |
|--|---|
|  | See Section(s) 4.2 for further information. |
|--|---|

## 11.1.10. Interactive effects

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 11.1.11. Absence of specific data

|  |  |
|--|--|
|  | <1% of this mixture consists of ingredients of unknown acute toxicity. |
|--|--|

## 11.1.12. Mixture versus substance information

|  |   |
|--|---|
|  | See Section(s) 3 for further information. |
|--|---|

## Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

## 11.1.13. Other information

No data available.

## 11.2 Information on other hazards

No data available.

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6 Endocrine disrupting properties

No data is available on this product.

## 12.7 Other adverse effects

Specific test data for the mixture is not available.

## Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

## Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

## Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

## Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

|  |  |
|--|--|
| <b>Regulations</b>                               | Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.                                      |
| <b>Chemical Inventories/Right-to-Know Lists:</b> | Contact SDS@neogen.com for additional information. Please specify country or region with your request.<br><br>California Prop 65: This product does not contain reportable substances at >0.0001% concentration. |

## Inventories

| Ingredient  | TSCA | MA | SARA313 | CALPROP65 | CWA307 | CAA112 | CWA311 | SARA302 | SARA304 |
|---|------|----|---------|-----------|--------|--------|--------|---------|---------|
| 1,2-Benzisothiazol-3(2H)-one                                  | Y    | N  | N       | N         | N      | N      | N      | N       | N       |
| Sucrose (.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl) | Y    | N  | N       | N         | N      | N      | N      | N       | N       |
| Sodium hydroxide (Sodium hydroxide (Na(OH)))                  | Y    | N  | N       | N         | N      | N      | Y      | N       | N       |

## SECTION 16: Other information

## Other information

|                 |  |
|-----------------|--|
| <b>Revision</b> | This document differs from the previous version in the following areas:<br>2 - 2.1.2. Classification - GHS.<br>3 - Description.<br>4 - Skin contact.<br>7 - 7.2. Conditions for safe storage, including any incompatibilities.<br>8 - 8.1. Control parameters.<br>9 - 9.2. Other information (Gas group).<br>11 - Acute toxicity.<br>11 - Respiratory or skin sensitization.   |
| <b>Acronyms</b> | ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).<br>CAS No.: Chemical Abstracts Service.<br>CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).<br>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.<br>GHS: Globally Harmonized System.<br>HCS 2012: Hazard Communication Standard (2012 revision).<br>IATA: International Air Transport Association.<br>ICAO: International Civil Aviation Organization.<br>IMDG: International Maritime Dangerous Goods.<br>LD: Lethal dose.<br>OEL: Occupational exposure limit.<br>OSHA: U.S. Occupational Safety and Health Administration. |

## Aflatoxin M1 Sample Diluent

Revision 3  
Revision date 2023-05-12

## Other information

|   |  |
|---|--|
|   | <p>PEL: Permissible Exposure Limit.<br/>REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.<br/>STOT: Specific Target Organ Toxicity.<br/>SVHC: Substance of very high concern.<br/>US DOT: United States Department of Transportation.<br/>VOC: Volatile Organic Compound.<br/>WEL: Workplace Exposure Limit.</p> |
| <b>Text of Hazard Statements in Section 3</b> | <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br/>Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p>  |

## Further information

|  |  |
|--|--|
|  | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
|--|--|

印南松