



Kit SDS Cover Sheet

Product Name: **ANSR® for Listeria**

Item No(s): **9871, 700002863**

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:

Lysis Reagent Suspension Buffer

Lysis Reagent

Reaction Tubes

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

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## Lysis Reagent Suspension Buffer

Revision 5  
Revision date 2023-08-21

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

#### 1.1. Product identifier

|              |                                 |
|--------------|---------------------------------|
| Product name | Lysis Reagent Suspension Buffer |
| Product code | 17645, 400000042                |

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

|             |   |
|-------------|---|
| Product Use | [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC21] Laboratory chemicals; |
| Description | Intended for use in routine analytics, including quality control and monitoring.<br>Restricted to professional users.                 |

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

|           |   |
|-----------|---|
| Company   | Neogen Corporation                          |
| Address   | 620 Lesher 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 | Eye Irrit. 2: H319; Aquatic Chronic 3: H412; |
|-----------------------------|--|

#### 2.2. Label elements

|                                     |   |
|-------------------------------------|---|
| Hazard pictograms                   |    |
| Signal Word                         | Warning   |
| Hazard Statement                    | Eye Irrit. 2: H319 - Causes serious eye irritation.<br>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.                                     |
| Precautionary Statement: Prevention | P264 - Wash thoroughly after handling.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response   | P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                       |

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## 2.2. Label elements

|  |   |
|--|---|
| <b>Precautionary Statement:</b><br><b>Disposal</b> | P337+P313 - If eye irritation persists: Get medical advice/attention.   |
|  | P501 - Dispose of contents/container to an approved hazardous/special 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. Contains substance(s) which are hazardous to the environment. Contains: Endocrine disrupting agent. |
|----------------------|---|

## 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   |
|--------------------------------|-----------|------------|-----------|-----------|--------------|--|
| Magnesium nitrate              |           | 10377-60-3 | 233-826-7 |           |              | Ox. Sol. 2: H272; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;                                |
| Polyethylene octylphenyl ether |           | 9002-93-1  | 618-344-0 |           |              | Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |

#### Description

|  |  |
|--|--|
|  | Included on the Candidate List of Substances of Very High Concern: P-tertiary-Octylphenoxy polyethyl alcohol, CAS No. 9002-93-1. |
|  | 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>  | Causes serious eye irritation.              |
| <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. |
|--|--|

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

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 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


No occupational exposure limits known.

### 8.2. Exposure controls

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## 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

## 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

|                               |  |
|-------------------------------|--|
| 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 | Causes serious eye irritation.   |

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## 11.1 Information on hazard classes

|                                   |  |
|-----------------------------------|--|
| 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             | p-tertiary-Octylphenoxy polyethyl alcohol, CAS No. 9002-93-1, is suspected toxic for reproduction: CAESAR developmental toxicity model in VEGA (Q) SAR platform predicts that the chemical is Toxicant (good reliability).   |
| 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. |
|--|---|

## 11.1.13. Other information

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

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## 11.2 Information on other hazards

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

Suspected persistent in the environment: The Danish QSAR database contains information indicating that the substance is predicted as non readily biodegradable. p-tertiary-Octylphenoxy polyethyl alcohol, CAS No. 9002-93-1.

### 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

This product contains a known or suspected endocrine disruptor.

### 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

The product is not classified as dangerous for carriage.

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## 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. |

## SECTION 16: Other information

### Other information

|   |   |
|---|---|
| <b>Revision</b>                               | This document differs from the previous version in the following areas:<br>1 - Product Use.<br>2 - 2.1.2. Classification - GHS.<br>4 - Eye contact.<br>7 - 7.2. Conditions for safe storage, including any incompatibilities.<br>9 - 9.2. Other information (Gas group).<br>11 - Serious eye damage/irritation.   |
| <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.<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. |
| <b>Text of Hazard Statements in Section 3</b> | Ox. Sol. 2: H272 - May intensify fire; oxidiser.<br>Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>STOT SE 3: H335 - May cause respiratory irritation.<br>Acute Tox. 4: H302 - Harmful if swallowed.<br>Eye Dam. 1: H318 - Causes serious eye damage.  |

# Lysis Reagent Suspension Buffer

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## Other information

Aquatic Acute 1: H400 - Very toxic to aquatic life.  
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

## Further information

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.

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

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## ANSR® Lysis Reagent

Revision 4  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|              |                     |
|--------------|---------------------|
| Product name | ANSR® Lysis Reagent |
| Product code | 49105, 400000424    |

#### 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 | Resp. Sens. 1: H334; |
|-----------------------------|----------------------|

#### 2.2. Label elements

|                                     |  |
|-------------------------------------|--|
| Hazard pictograms                   |   |
| Signal Word                         | Danger   |
| Hazard Statement                    | Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P284 - In case of inadequate ventilation, wear respiratory protection.   |
| Precautionary Statement: Response   | P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor/ . |

## ANSR® Lysis Reagent

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## 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   |
|---------------|-----------|------------|-----------|-----------|--------------|--|
| Proteinase K  |           | 39450-01-6 | 254-457-8 |           |              | Skin Irrit. 2: H315; Eye Irrit. 2: H319; Resp. Sens. 1: H334; STOT SE 3: H335; |

## 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. May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| <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. |
|--|---|

## ANSR® Lysis Reagent

Revision 4  
Revision date 2023-08-21**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**

|  |   |
|--|---|
|  | Collect spillage. Dispose of in compliance with all local and national regulations. 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 8 °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**

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## 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

## 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

|                                   |  |
|-----------------------------------|--|
| 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 inhalation.   |
| 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) |

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## 11.1 Information on hazard classes

|  |   |
|--|---|
| Reproductive toxicity<br>STOT-single exposure<br>STOT-repeated exposure<br>Aspiration hazard<br>Repeated or prolonged exposure                                       | 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. |
|  | No teratogenic effects reported.  |
|  | May cause allergy or asthma symptoms or breathing difficulties if inhaled.  |
|  | No Significant Hazard.  |
|  | No Significant Hazard.  |
| 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. |
|--|---|

## 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

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

## ANSR® Lysis Reagent

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Revision date 2023-08-21**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**

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.

## ANSR® Lysis Reagent

Revision 4  
Revision date 2023-08-21**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. |

**SECTION 16: Other information****Other information**

|   |   |
|---|---|
| <b>Revision</b>                               | This document differs from the previous version in the following areas:<br>1 - Product Use.<br>4 - Inhalation.<br>6 - 6.3. Methods and material for containment and cleaning up.<br>7 - 7.2. Conditions for safe storage, including any incompatibilities.<br>9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).<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 (Product Subcategory).<br>9 - 9.2. Other information (Lead content).<br>11 - Respiratory or skin sensitization.<br>16 - Maximum content of VOC.  |
| <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.<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. |
| <b>Text of Hazard Statements in Section 3</b> | Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br>STOT SE 3: H335 - May cause respiratory irritation.   |

**Further information**

|  |   |
|--|---|
|  | <b>DISCLAIMER:</b> 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 |
|--|---|

# ANSR® Lysis Reagent

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## Further information

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.

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

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## ANSR® Listeria Reaction Tubes

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

#### 1.1. Product identifier

|              |                               |
|--------------|-------------------------------|
| Product name | ANSR® Listeria Reaction Tubes |
| Product code | (9871)                        |

#### 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.<br>Restricted to professional users.  |

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

|           |   |
|-----------|---|
| Company   | Neogen Corporation                          |
| Address   | 620 Lesher 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 Irrit. 2: H315; Eye Irrit. 2: H319;                              |
| 2.1.2. Classification - GHS | Based on available data, this product is not classified as hazardous. |

#### 2.2. Label elements

|                                     |   |
|-------------------------------------|---|
| Hazard pictograms                   |    |
| Signal Word                         | Warning   |
| Hazard Statement                    | Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.                        |
| Precautionary Statement: Prevention | P264 - Wash thoroughly after handling.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |

## ANSR® Listeria Reaction Tubes

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## 2.2. Label elements

|  |  |
|--|--|
| <b>Precautionary Statement: Response</b> | P302+P352 - IF ON SKIN: Wash with plenty of water/ .<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention. |
|--|--|

## 2.3. Other hazards

|                      |   |
|----------------------|---|
| <b>Other hazards</b> | Contains material(s) which may be harmful if swallowed. Contains substance(s) which are hazardous to the environment. Contains: Endocrine disrupting agent. |
|----------------------|---|

## 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   |
|---------------------------------|-----------|-----------|-----------|-----------|--------------|--|
| Dimethyl sulfoxide              |           | 67-68-5   | 200-664-3 |           | 0 - <0.1%    | Flam. Liq. 4: H227; Skin Irrit. 2: H315; Eye Irrit. 2: H319; |
| Trizma hydrochloride            |           | 1185-53-1 | 214-684-5 |           | 1 - <10%     | Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;    |
| Tris(hydroxymethyl)aminomethane |           | 77-86-1   | 201-064-4 |           | 1 - <10%     | Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;    |

## Description

|  |  |
|--|--|
|  | Included on the Candidate List of Substances of Very High Concern: P-tertiary-Octylphenoxy polyethyl alcohol, CAS No. 9002-93-1, (<0.1%).<br><br>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

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**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 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**

Collect spillage. Dispose of in compliance with all local and national regulations. 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**


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## 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.   |
| 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

|                                   |                   |
|-----------------------------------|-------------------|
| <b>State</b>                      | Solid/Pellets     |
| <b>Color</b>                      | White             |
| <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>        | No data available |
| <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>                  | Not applicable.   |
| <b>Explosive properties</b>       | No data available |
| <b>Oxidizing properties</b>       | No data available |
| <b>Solubility</b>                 | Soluble in water  |

## 9.2. Other information

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## 9.2. Other information

|                                  |                   |
|----------------------------------|-------------------|
| Conductivity                     | No data available |
| Surface tension                  | Not applicable.   |
| 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. |
|--|---|

## 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             | p-tertiary-Octylphenoxy polyethyl alcohol, CAS No. 9002-93-1, is suspected toxic for reproduction: CAESAR developmental toxicity model in VEGA (Q) SAR platform predicts that the chemical is Toxicant (good reliability).   |
| 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.   |

## ANSR® Listeria Reaction Tubes

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**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**

<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**

Suspected persistent in the environment: The Danish QSAR database contains information indicating that the substance is predicted as non readily biodegradable. p-tertiary-Octylphenoxy polyethyl alcohol, CAS No. 9002-93-1.

**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**

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## 12.6 Endocrine disrupting properties

This product contains a known or suspected endocrine disruptor.

## 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

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 >0.0001% concentration.

## SECTION 16: Other information

## ANSR® Listeria Reaction Tubes

Revision 3  
Revision date 2023-08-11

## Other information

|   |   |
|---|---|
| <b>Revision</b>                               | This document differs from the previous version in the following areas:<br>3 - Description.<br>6 - 6.3. Methods and material for containment and cleaning up.<br>7 - 7.2. Conditions for safe storage, including any incompatibilities.<br>9 - 9.2. Other information (Gas group).  |
| <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.<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. |
| <b>Text of Hazard Statements in Section 3</b> | Flam. Liq. 4: H227 - Combustible liquid.<br>Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>STOT SE 3: H335 - May cause respiratory irritation.   |

## Further information

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