

**Part Number: 9871, 9873**

**ANSR for Listeria**

**ANSR Listeria Right Now**

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

For any questions please contact Neogen Corporation.

The following Safety Data Sheets are included in this file:

9871 ANSR for Listeria Reaction Tubes

ANSR Lysis Buffer

ANSR Lysis Reagent

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

### 1.1 Product identifier

- Product Name: **ANSR for Listeria Reaction Tubes**
- Product Part Number: **9871**

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

- Use of the substance/preparation: For use with ANSR for *Listeria*
- Use advised against: No information available

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

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place  
Lansing, Michigan 48912  
USA
- Telephone: 517/372-9200
- Email: [foodsafety@neogen.com](mailto:foodsafety@neogen.com)

### 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: (800) 424-9300  
Outside USA and Canada: +1 (703) 527-3887
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## SECTION 2 Hazards identification

### 2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Not classified as hazardous for supply

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]

- Not classified as hazardous for supply

Classification (WHMIS 2015 HPR)

- Not classified as hazardous for supply

Additional information: For full text of Hazard-statements see Section 16.

### 2.2 Label elements

- Signal Word: None
- Symbols: None
- Hazard phrases  
None
- Precautionary Phrases  
Keep container tightly closed.  
Do not breathe dust.  
Avoid contact with eyes, skin, or clothing.

### 2.3 Other hazards

- May be mildly irritating to skin and eyes.
  - May be mildly irritating to respiratory system.
- 

## SECTION 3 Composition/information on ingredients

### 3.1 Substances

### 3.2 Mixtures

- This product does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.
- 

## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- General  
In case of doubt, or when symptoms persist, seek medical attention.  
In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.

## SECTION 4 First aid measures (continued)

- Contact with skin
  - Remove contaminated clothing.
  - Wash affected area with plenty of soap and water.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Contaminated clothing should be laundered before reuse.
- Contact with eyes
  - If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes.
  - Irrigate eyes thoroughly while lifting eyelids.
  - Seek medical advice if necessary.
- Ingestion
  - Rinse mouth with water (do not swallow).
  - Never make an unconscious person vomit or drink fluids.
  - If medical advice is needed, have product container or label at hand.
- Inhalation
  - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - Call a POISON CENTER or doctor/physician if you feel unwell.

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

- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

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

- Treat symptomatically.
- 

## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire: use foam, carbon dioxide or dry agent for extinction.

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

- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- Decomposition products may include carbon oxides.
- May form explosive dust/air mixtures.
- See Section 10.

### 5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water.
- Wear chemical protection suit and positive-pressure breathing apparatus.
- Wear protective clothing as per section 8.

### 5.4 Hazardous Decomposition Products

- May include carbon oxides.
- 

## SECTION 6 Accidental release measures

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

- Shut off all ignition sources.
- Use non-sparking hand tools.
- Avoid raising dust.
- Remove contaminated clothing.
- Wear protective clothing as per section 8.
- Wash thoroughly after dealing with spillage.

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses.
- Avoid scattering in the environment.

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

- Absorb spillage in inert material and shovel up.
- Place in sealable container.
- Seal containers and label them.
- Ventilate the area and wash spill site after material pick-up is complete.

## SECTION 6 Accidental release measures (continued)

- Dispose of contaminated materials and wastes in accordance with local/national/international regulations.

### 6.4 Reference to other sections

- See Section 7.

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## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Do not breathe dust.
- Avoid contact with skin and eyes.
- Do not eat, drink, or smoke when using this product.
- Ensure adequate ventilation.
- Eyewash bottles should be available.
- Wash hands thoroughly after using this substance.

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

- Store at temperatures not exceeding 8°C/46°F. Keep cool.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a dry place.
- Keep away from oxidizing substances.

### 7.3 Specific end use(s)

- For use with ANSR for *Listeria*

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## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- There are no recommended or established controls for this product.

### 8.2 Exposure controls

- Eyewash bottles should be available.
- Engineering controls should be provided to prevent the need for ventilation.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask, NIOSH N95 (US) or type FFP1 (EN143) dust masks.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166.
- Wear suitable protective clothing in accordance with good chemical hygiene practices.



Gloves



Safety  
Glasses



Lab Coat

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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: White lyophilized pellet
- Odor: no information available
- pH: No information available
- Melting point/Range: No information available
- Boiling Point/Range: Not applicable
- Flashpoint: No information available
- Evaporation Rate: Not applicable
- Flammability: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water:
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature Product is not self-igniting

**SECTION 9 Physical and chemical properties (continued)**

- Viscosity: Product is solid
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: No information available

**9.2 Other information**

- No information available
- 

**SECTION 10 Stability and reactivity****10.1 Reactivity**

- No information available

**10.2 Chemical stability**

- Considered stable under normal conditions.

**10.3 Possibility of hazardous reactions**

- No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

- Avoid contact with moisture.
- Keep away from heat and sources of ignition.

**10.5 Incompatible materials**

- None known

**10.6 Hazardous Decomposition Products**

- Decomposition products may include carbon oxides.
- 

**SECTION 11 Toxicological information****11.1 Information on toxicological effects**

- No experimental test data available for the mixture
  - ATEmix =
  - Contact with skin  
May cause redness and irritation in sensitive individuals.
  - Contact with eyes  
May cause redness and irritation in sensitive individuals.
  - Ingestion  
Product is not toxic, but may cause irritation of the throat and/or nausea in sensitive individuals.
  - Inhalation  
May cause irritation in sensitive individuals.
  - Carcinogenicity  
Not listed in the National Toxicology Program (NTP) 13<sup>th</sup> Report on Carcinogens.  
Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.  
Not listed in OSHA standard 1910.1003 Carcinogens.
  - Mutagenicity  
No evidence of mutagenic effects.
  - Teratogenicity  
No information available
- 

**SECTION 12 Ecological information****12.1 Toxicity**

- This product is not classified as hazardous to the environment under U.S. regulations

**12.2 Persistence and degradability**

- No information available

**12.3 Bioaccumulation Potential**

- No information available



## SECTION 12 Ecological information (continued)

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- PBT/vPvB assessment not available

### 12.6 Other Adverse Effects

- To the best of our knowledge, the properties of this material have not been fully evaluated.
  - On available data, substance is not harmful to the environment.
- 

## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, regional, national, and/or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty containers.

### 13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
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## SECTION 14 Transport information

### 14.1 UN Number

Not classified as hazardous for transport

### 14.2 UN Proper Shipping Name

- Not applicable

### 14.3 Transport hazard class(es)

- Not applicable

### 14.4 Packing group

- Not applicable

### 14.5 Environmental hazards

- Not Classified

### 14.6 Special precautions for user

- Not Classified

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not Classified

### 14.8 Domestic Surface Transport (US DOT)

- Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable
- DOT Packing Group: Not applicable

### 14.9 International Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

### 14.10 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable

**SECTION 14 Transport information (continued)**

## 14.11 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
  - ICAO Un No.: Not applicable
  - ICAO Hazard Class: Not applicable
  - ICAO Packing Group: Not applicable
- 

**SECTION 15 Regulatory information**

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

## 15.2 Chemical Safety Assessment

- No information available

## 15.3 United States Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

No SARA Hazards

Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

State Right-to-Know

Massachusetts

Sodium Sulfate CAS No. 7757-82-6

Pennsylvania

Sodium Sulfate CAS No. 7757-82-6

## 15.4 Canadian Regulatory Information

- Inventory Status

Domestic Substances List (DSL)	Listed
Non-Domestic Substances List (NDSL)	Not listed
- 

**SECTION 16 Other information**

Date of Preparation:

Revision: Rev. 0

Replaces: New issue

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.

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

### 1.1 Product identifier

- Product Name: **ANSR Lysis Buffer**
- Product Part Number: **9871, 9824, 9870, 9839**

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

- Use of the substance/mixture: For use with ANSR kits.
- Use advised against: No information available

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

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place  
Lansing, Michigan 48912  
USA
- Telephone: 517/372-9200
- Email: [foodsafety@neogen.com](mailto:foodsafety@neogen.com)

### 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: (800) 424-9300  
Outside USA and Canada (703) 527-3887

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## SECTION 2 Hazards identification

### 2.1 Classification of the substance or mixture

- Classification (29 CFR 1910.1200): Serious eye damage/eye irritation, Cat. 2A
- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Eye Irrit. 2, H319
- Classification (67/548/EEC, 1999/45/EC) [CHIP]: Xi; R36
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

### 2.2 Label elements



GHS07

- Signal Word: Warning
- Symbols: GHS07
- Hazard phrases  
Causes serious eye irritation.
- Precautionary Phrases  
Wear eye protection/face protection.  
Wash hands thoroughly after handling.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

### 2.3 Other hazards

- May cause irritation



## SECTION 3 Composition/information on ingredients

### 3.1 Substances

### 3.2 Mixtures

This product is a mixture of the substances listed below with the addition of non-hazardous materials

Chemical	Concentration	CAS No.	EC Number	H Phrases	Symbols
Triton X-100	25-30%	9002-93-1	-	H302, H319	GHS07

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## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- Contact with skin  
Gently wash with plenty of soap and water. Remove contaminated clothing and wash it before reuse.  
Get medical advice/attention if you feel unwell.
- Contact with eyes  
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.  
Irrigate eyes thoroughly while lifting eyelids.  
If eye irritation persists, get medical advice/attention.
- Ingestion  
Do NOT induce vomiting.  
Rinse mouth with water (do not swallow).  
Never give anything by mouth to an unconscious person.
- Inhalation  
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Get medical advice/attention if you feel unwell.

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

- Causes serious eye irritation.
- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

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

- Treat symptomatically.

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## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.

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

- In case of fire, do not breathe fumes.
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides, sodium oxides, and phosphorous oxides.

## SECTION 5 Fire-fighting measures (continued)

### 5.3 Advice for firefighters

- Prevent run off water from entering drains if possible.
  - Smoke from fires is toxic. Take precautions to protect personnel from exposure.
  - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
- 

## SECTION 6 Accidental release measures

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

- Evacuate the area and keep personnel upwind.
- Wear protective clothing as per Section 8.
- Wash thoroughly after dealing with spillage.
- Eyewash bottles should be available.

### 6.2 Environmental Precautions

- Avoid releasing to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

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

- Absorb spillage in inert material and shovel up.
- Place in sealable container.
- Seal containers and label them.
- Remove contaminated material to safe location for subsequent disposal.
- Ventilate the area and wash spill site after material pick-up is complete.

### 6.4 Reference to other sections

- See Sections 7, 8 & 13.
- 

## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Ensure adequate ventilation.
- Wash thoroughly after handling.
- Eyewash bottles should be available.
- Store 2-8°C

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

- Store in a well-ventilated place. Keep container tightly closed.
- Store in a dry place.
- Substance is hygroscopic.
- Keep away from oxidizing substances.

### 7.3 Specific end use(s)

- For use with ANSR kits.
- 

## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- This product contains no substances with occupational exposure limit values.

## SECTION 8 Exposure controls/personal protection (continued)

### 8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved chemical filter mask.
- Wear protective gloves/protective clothing/eye protection/face protection.
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166.
- Eyewash bottles should be available.



Gloves



Safety Glasses



Lab Coat

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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Liquid, clear to yellowish
- Odor: No information available
- pH: ~8
- Boiling Point/Range: Not applicable
- Melting point/Range: No information available
- Flashpoint: No information available
- Flammability: No information available
- Autoignition Temperature : Product is not self-igniting
- Evaporation Rate: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: No information available
- Solubility in Fat: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Viscosity: No information available
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: No information available

### 9.2 Other information

- No information available

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## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose.

### 10.2 Chemical stability

- Considered stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

## SECTION 10 Stability and reactivity (continued)

### 10.4 Conditions to avoid

- Keep away from heat and moisture.

### 10.5 Incompatible materials

- Incompatible with oxidizing substances.

### 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides, sodium oxides, and phosphorous compounds.
- 

## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute Toxicity

- No experimental test data available for the mixture

- ATE<sub>mix</sub>=6,410 mg/kg

#### Skin corrosion/irritation

- No experimental data available

#### Serious eye damage/irritation

- Causes serious eye irritation.

#### Respiratory or skin sensitization

- No information available

#### Germ cell mutagenicity

- No information available

#### Carcinogenicity

- No information available

#### Reproductive toxicity

- No information available

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

- No information available

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

- No information available

#### Aspiration hazard

- No information available

#### Contact with eyes

- Causes redness and serious irritation.

#### Contact with skin

- May cause redness and irritation.

#### Inhalation

- May cause respiratory irritation.

#### Ingestion

- May cause irritation of the throat.
- 

## SECTION 12 Ecological information

### 12.1 Toxicity

#### **Triton X-100**

##### Toxicity to fish

LC<sub>50</sub> – Pimephales promelas (fathead minnow) – 8.9 mg/L-96h

##### Toxicity to daphnia and other aquatic invertebrates

EC<sub>50</sub> – Daphnia magna (water flea) – 26 mg/L-48h

## SECTION 12 Ecological information (continued)

### 12.2 Persistence and degradability

#### **Triton X-100**

##### Biodegradability

Aerobic – Exposure time 28 d – result: 36% - not readily biodegradable (closed bottle)

Chemical Oxygen Demand (COD) – 2.19 mg/g

### 12.3 Bioaccumulation Potential

- No information available

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- PBT/vPvB assessment not available

### 12.6 Other Adverse Effects

- No information available

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## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

- Dispose of contents/container in accordance with local, state, national or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty container.

### 13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

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## SECTION 14 Transport information

UN 3077 and UN 3082, when carried in single or combination packagings containing a net quantity per single or inner packaging of 5L/kg or less, are not subject to the provisions of ADR, RID, IMDG or IATA, provided the package meets the general packing quality provisions.



Dangerous Substance



ENVIRONMENTALLY HAZARDOUS



## SECTION 14 Transport information (continued)

- 14.1 UN Number  
- UN No.: 3082
- 14.2 UN Proper Shipping Name  
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (polyethylene glycol octyphenol ether)
- 14.3 Transport hazard class(es)  
- Hazard Class: 9
- 14.4 Packing group  
- Packing Group: III
- 14.5 Environmental hazards  
- Marine pollutant
- 14.6 Special precautions for user  
- See Section 2
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code  
- Not applicable
- 14.8 Road/Rail (ADR/RID)  
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (polyethylene glycol octyphenol ether)  
- ADR UN No.: 3082  
- ADR Hazard Class: 9  
- ADR Packing Group: III  
- Tunnel Code: E
- 14.9 Sea (IMDG)  
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (polyethylene glycol octyphenol ether)  
- IMDG UN No.: 3082  
- IMDG Hazard Class: 9  
- IMDG Pack Group.: III
- 14.10 Air (ICAO/IATA)  
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (polyethylene glycol octyphenol ether)  
- ICAO UN No.: 3082  
- ICAO Hazard Class: 9  
- ICAO Packing Group: III
- 14.11 DOT / CFR (US Department of Transportation)  
- DOT Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (polyethylene glycol octyphenol ether)  
- DOT UN No.: 3082  
- DOT Hazard Class: 9  
- DOT Packing Group: III
- 

## SECTION 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010 and the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.
- 15.2 Chemical Safety Assessment  
- A REACH chemical safety assessment has not been carried out
- 15.3 United States Regulatory Information  
SARA 302 Components  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## SECTION 15 Regulatory information (continued)

SARA 313 Components

SARA 313: The material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

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**SECTION 16 Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H302: Harmful if swallowed. H319: Causes serious eye irritation.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.

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

## 1.1 Product identifier

- Product Name: **ANSR Lysis Reagent**
- Product Part Number: **9871, 9824, 9870, 9839**

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

- Use of the substance/mixture: For use with ANSR kits.
- Use advised against: No information available

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

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place  
Lansing, Michigan 48912  
USA
- Telephone: 517/372-9200
- Email: Foodsafety@neogen.com

## 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: (800) 424-9300  
Outside USA and Canada (703) 527-3887

## SECTION 2 Hazards identification

## 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Resp Sens. 1, H334
- Classification (29 CFR 1910.1200) [CLP/GHS]: Respiratory sensitization, Cat. 1
- Additional information: For full text of Hazard and EU Hazard statements: see Section 16.

## 2.2 Label elements



GHS08

- Signal Word: Danger
- Hazard phrases  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Precautionary Phrases  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
In case of inadequate ventilation wear respiratory protection.  
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
Dispose of contents/container in accordance with local, state, national, or international regulations.

## 2.3 Other hazards

- May cause irritation to skin, eyes and the respiratory tract.

## SECTION 3 Composition/information on ingredients

### 3.1 Substances

### 3.2 Mixtures

This product is a mixture of the substances listed below with the addition of non-hazardous materials

Chemical	Concentration	CAS No.	EC Number	H Phrases	Symbols
Proteinase K	<10%	39450-01-6	254-457-8	H315, H319, H334	GHS07, GHS08

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## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- Contact with skin  
Remove contaminated clothing and wash it before reuse.  
Gently wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.
- Contact with eyes  
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.  
Irrigate eyes thoroughly while lifting eyelids.
- Ingestion  
Do NOT induce vomiting.  
Rinse mouth with water (do not swallow).  
Never give anything by mouth to an unconscious person.  
Seek medical attention if you feel unwell.
- Inhalation  
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Apply artificial respiration only if patient is not breathing.  
If experiencing respiratory symptoms, seek medical attention.

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

- Causes breathing difficulty.
- May cause asthma.

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

- Treat symptomatically.
- 

## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire use water, alcohol resistant foam, carbon dioxide or dry agent.

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

- In case of fire, do not breathe fumes.
- Gives off irritating or toxic fumes (or gases) in a fire.

### 5.3 Advice for firefighters

- Prevent run off water from entering drains if possible.
  - Smoke from fires is irritating. Take precautions to protect personnel from exposure.
  - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
-

## SECTION 6 Accidental release measures

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

- Evacuate the area and keep personnel upwind.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wear protective clothing as per Section 8.
- Wash thoroughly after dealing with spillage.

### 6.2 Environmental Precautions

- Avoid releasing to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

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

- Sweep or shovel-up spillage and remove to a safe place.
- Place in sealable container.
- Seal containers and label them.
- Remove contaminated material to safe location for subsequent disposal.
- Ventilate the area and wash spill site after material pick-up is complete.

### 6.4 Reference to other sections

- See Sections 7, 8 & 13.
- 

## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Prevent formation of dust.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Ensure adequate ventilation.
- Wash hands thoroughly after handling.

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

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool. Protect from sunlight.
- Store at 2-8°C.
- Keep away from oxidizers, heat, flames or ignition sources.
- Keep away from moisture.

### 7.3 Specific end use(s)

- For use with ANSR kits.
- 

## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- This product contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- Use NIOSH N95 or type FFP1 (EN 143) dust masks
- Wear protective gloves/protective clothing/eye protection/face protection.
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.



## SECTION 8 Exposure controls/personal protection (continued)

- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Eyewash bottles should be available.



Gloves



Safety Glasses



Lab Coat



Respirator

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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: White, lyophilized, cake
- Odor: No information available
- Odor threshold: No information available
- pH: No information available
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: Not applicable
- Flashpoint: No information available
- Flammability (solid,gas): No information available
- Upper/lower flammability or explosive limits: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Relative Density: No information available
- Solubility(ies): Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Decomposition temperature: No information available
- Viscosity: Product is solid
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: No information available

### 9.2 Other information

- No information available
- 

## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose.

### 10.2 Chemical stability

- Considered stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

## SECTION 10 Stability and reactivity (continued)

### 10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from light and moisture.

### 10.5 Incompatible materials

- Incompatible with oxidizing substances.

### 10.6 Hazardous Decomposition Products

- No information available
- 

## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- Acute Toxicity  
No information available
  - Skin corrosion/irritation  
Based on available data, the classification criteria are not met.
  - Serious eye damage/irritation  
Based on available data, the classification criteria are not met.
  - Respiratory or skin sensitization  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Classification based on calculation and concentration thresholds.
  - Germ cell mutagenicity  
No information available
  - Carcinogenicity  
No information available
  - Reproductive toxicity  
No information available
  - Specific target organ toxicity (STOT) - single exposure  
Based on available data, the classification criteria are not met.
  - Specific target organ toxicity (STOT) - repeated exposure  
No information available.
  - Aspiration hazard  
No information available.
  - Contact with eyes  
May cause redness and irritation.
  - Contact with skin  
May cause redness and irritation.
  - Inhalation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory tract irritation.
  - Ingestion  
May cause irritation.
- 

## SECTION 12 Ecological information

### 12.1 Toxicity

- No information available

### 12.2 Persistence and degradability

- No information available

## SECTION 12 Ecological (continued)

### 12.3 Bioaccumulation Potential

- No information available

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- No information available

### 12.6 Other Adverse Effects

- No information available
- 

## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state, national, or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty container.

### 13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
- 

## SECTION 14 Transport information

Not classified as hazardous for transport

### 14.1 UN Number

- UN No.: Not applicable

### 14.2 UN Proper Shipping Name

- Not applicable

### 14.3 Transport hazard class(es)

- Hazard Class: Not applicable

### 14.4 Packing group

- Not applicable

### 14.5 Environmental hazards

- Not Classified

### 14.6 Special precautions for user

- No special precautions are required for this product

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

## SECTION 14 Transport information (continued)

### 14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

### 14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

### 14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

### 14.11 DOT / CFR (US Department of Transportation)

- DOT Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable
- DOT Packing Group: Not applicable

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## SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830 and the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

### 15.2 Chemical Safety Assessment

- No information available

### 15.3 United States Regulatory Information

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

SARA 313: The material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

## SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H315: Causes skin irritation. H319: Causes serious eye irritation. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.