



**Be Right™**

# SAFETY DATA SHEET

Issue Date 15-Apr-2021

Revision Date 10-Feb-2025

Version 2.6

Page 1 / 13

## 1. IDENTIFICATION

### Product identifier

**Product Name** PathoScreen™ Medium MPN Pillows

### Other means of identification

**Product Code(s)** 2610796

**Safety data sheet number** M01186

### Recommended use of the chemical and restrictions on use

**Recommended Use** Detection of hydrogen sulfide producing bacteria.

**Uses advised against** None.

**Restrictions on use** None.

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

#### **Manufacturer Address**

Hach Company, P.O.Box 389, Loveland, CO 80539, USA, +1(970) 669-3050

#### **Emergency telephone number**

+1(303) 623-5716 - 24 Hour Service

## 2. HAZARDS IDENTIFICATION

### Classification

#### **Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
|-----------------------------------|-------------|

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### **Signal word**

Warning



### **Hazard statements**

H319 - Causes serious eye irritation

#### Precautionary statements

P280 - Wear protective gloves, protective clothing, eye protection, and face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical attention

#### Other Hazards Known

Causes mild skin irritation

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable

#### Mixture

Percent ranges are used where confidential product information is applicable.

| Chemical name           | CAS No.   | Percent Range | HMRIC # |
|-------------------------|-----------|---------------|---------|
| Ferric ammonium citrate | 1185-57-5 | 1 - 5%        | -       |
| Sodium lauryl sulfate   | 151-21-3  | <1%           | -       |

### 4. FIRST AID MEASURES

#### Description of first aid measures

|                                    |                                                                                                                                                                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice                     | Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                                            |
| Inhalation                         | Remove to fresh air.                                                                                                                                                                                                                                                                |
| Eye contact                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| Skin contact                       | Wash skin with soap and water.                                                                                                                                                                                                                                                      |
| Ingestion                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.                                                                                                                       |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing.                                                                                                                                                                                                                                          |

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

|          |                    |
|----------|--------------------|
| Symptoms | Burning sensation. |
|----------|--------------------|

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

|                    |                        |
|--------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|--------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

|                                |                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable Extinguishing Media | Caution: Use of water spray when fighting fire may be inefficient.                                      |

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 3 / 13

|                                                       |                                                                                                                                    |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards arising from the chemical</b>     | No information available.                                                                                                          |
| <b>Hazardous combustion products</b>                  | Phosphorus oxides. Carbon monoxide, Carbon dioxide.                                                                                |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. ACCIDENTAL RELEASE MEASURES

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>U.S. Notice</b> | Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations should respond to a spill involving chemicals. |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Personal precautions, protective equipment and emergency procedures

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| <b>Other Information</b>    | Refer to protective measures listed in Sections 7 and 8.                                  |

### Environmental precautions

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| <b>Environmental precautions</b> | See Section 12 for additional ecological information. |
|----------------------------------|-------------------------------------------------------|

### Methods and material for containment and cleaning up

|                                        |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.                                |
| <b>Methods for cleaning up</b>         | Take up mechanically, placing in appropriate containers for disposal.                |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations. |
| <b>Reference to other sections</b>     | See section 8 for more information. See section 13 for more information.             |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

|                                |                                                                                                                                                                       |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b> | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Conditions for safe storage, including any incompatibilities

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Storage Conditions</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. |
| <b>Flammability class</b> | Not applicable                                                           |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---------------|-----------|----------|-------|
|---------------|-----------|----------|-------|

|                                            |                             |                                    |                             |
|--------------------------------------------|-----------------------------|------------------------------------|-----------------------------|
| Ferric ammonium citrate<br>CAS#: 1185-57-5 | TWA: 1 mg/m <sup>3</sup> Fe | (vacated) TWA: 1 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup> Fe |
|--------------------------------------------|-----------------------------|------------------------------------|-----------------------------|

#### Appropriate engineering controls

##### Engineering Controls

Showers  
Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

##### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

##### Hand Protection

Wear suitable gloves. Barrier creams may help to protect the exposed areas of skin. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425 and the standard EN 374 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1:2016.

##### Eye/face protection

If splashes are likely to occur, wear safety glasses with side-shields.

##### Skin and body protection

Wear suitable protective clothing.

##### General Hygiene Considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

##### Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

##### Thermal hazards

None under normal processing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

|                |                   |                |                   |
|----------------|-------------------|----------------|-------------------|
| Physical state | Solid             |                |                   |
| Appearance     | powder            | Color          | brown             |
| Odor           | No data available | Odor threshold | No data available |

| <u>Property</u>                                 | <u>Values</u>              | <u>Remarks • Method</u> |
|-------------------------------------------------|----------------------------|-------------------------|
| Molecular weight                                | No data available          |                         |
| pH                                              | 7.37                       | 5% Solution             |
| Melting point / freezing point                  | No data available          |                         |
| Initial boiling point and boiling range         | No data available          |                         |
| Evaporation rate                                | Not applicable             |                         |
| Vapor pressure                                  | Not applicable             |                         |
| Relative vapor density                          | No data available          |                         |
| Specific gravity - VALUE 1                      | 1.46                       |                         |
| Partition coefficient                           | log K <sub>ow</sub> ~ 3.67 |                         |
| Soil Organic Carbon-Water Partition Coefficient | log K <sub>oc</sub> ~ 2.14 |                         |
| Autoignition temperature                        | No data available          |                         |

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 5 / 13

**Decomposition temperature** 133.9 °C / 273.02 °F

**Dynamic viscosity** Not applicable

**Kinematic viscosity** Not applicable

**Solubility(ies)**

**Water solubility**

| Water solubility classification | Water solubility | Water Solubility Temperature |
|---------------------------------|------------------|------------------------------|
| Soluble                         | > 1000 mg/L      | 25 °C / 77 °F                |

**Solubility in other solvents**

| Chemical Name | Solubility classification | Solubility        | Solubility Temperature   |
|---------------|---------------------------|-------------------|--------------------------|
| None reported | No information available  | No data available | No information available |

**Other information**

**Corrosive to metals**

**Steel Corrosion Rate** No data available  
**Aluminum Corrosion Rate** No data available

**Volatile Organic Compounds (VOC) Content**

Not applicable

| Chemical name           | CAS No.   | Volatile organic compounds (VOC) content | CAA (Clean Air Act) |
|-------------------------|-----------|------------------------------------------|---------------------|
| Ferric ammonium citrate | 1185-57-5 | No data available                        | -                   |
| Sodium lauryl sulfate   | 151-21-3  | Not applicable                           | -                   |

**Explosive properties**

**Upper explosion limit** No data available  
**Lower explosion limit** No data available

**Flammable properties**

**Flash point** Not applicable

**Flammability Limit in Air**

**Upper flammability limit:** No data available  
**Lower flammability limit:** No data available

**Oxidizing properties** No data available.

**Bulk density** No data available

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not applicable.

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 6 / 13

**Chemical stability**

Stable under normal conditions.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

None under normal processing.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

Strong oxidizing agents, strong acids, and strong bases.

**Hazardous decomposition products**

Phosphorus oxides. Carbon dioxide. Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| <b>Inhalation</b>   | May cause irritation of respiratory tract.                                      |
| <b>Eye contact</b>  | Causes serious eye irritation. May cause redness, itching, and pain.            |
| <b>Skin contact</b> | May cause irritation. Prolonged contact may cause redness and irritation.       |
| <b>Ingestion</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| <b>Symptoms</b>     | May cause redness and tearing of the eyes.                                      |

**Acute toxicity**

Based on available data, the classification criteria are not met

**Mixture**

No data available.

**Ingredient Acute Toxicity Data**

Test data reported below.

**Oral Exposure Route**

| Chemical name                                 | Endpoint type        | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|-----------------------------------------------|----------------------|---------------|---------------|-----------------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | Rat LD <sub>50</sub> | >= 977 mg/kg  | None reported | None reported         | IUCLID                                         |

**Unknown Acute Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity.

**Acute Toxicity Estimations (ATE)**

The following values are calculated based on chapter 3.1 of the GHS document

|                               |                                |
|-------------------------------|--------------------------------|
| ATEmix (oral)                 | No information available mg/kg |
| ATEmix (dermal)               | No information available       |
| ATEmix (inhalation-dust/mist) | No information available       |
| ATEmix (inhalation-vapor)     | No information available       |
| ATEmix (inhalation-gas)       | No information available       |

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Skin Corrosion/Irritation Data**

Test data reported below.

| Chemical name                                 | Test method          | Species | Reported dose | Exposure time | Results            | Key literature references and sources for data |
|-----------------------------------------------|----------------------|---------|---------------|---------------|--------------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | Standard Draize Test | Human   | 25 mg         | 24 hours      | Mild skin irritant | RTECS                                          |

**Serious eye damage/irritation**

Classification based on data available for ingredients. Irritating to eyes.

**Mixture**

No data available.

**Ingredient Eye Damage/Eye Irritation Data**

Test data reported below.

| Chemical name                                 | Test method                                   | Species | Reported dose | Exposure time | Results           | Key literature references and sources for data |
|-----------------------------------------------|-----------------------------------------------|---------|---------------|---------------|-------------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | OECD Test 405: Acute Eye Corrosion/Irritation | Rabbit  | 0.1 mL        | 24 hours      | Corrosive to eyes | ECHA                                           |

**Respiratory or skin sensitization**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Sensitization Data**

No data available.

**STOT - single exposure**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Specific Target Organ Toxicity Single Exposure Data**

No data available.

**STOT - repeated exposure**

Based on available data, the classification criteria are not met.

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 8 / 13

**Mixture**

No data available.

**Ingredient Specific Target Organ Toxicity Repeat Exposure Data**

No data available.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Carcinogenicity Data**

No data available.

| Chemical name           | CAS No.   | ACGIH | IARC | NTP | OSHA |
|-------------------------|-----------|-------|------|-----|------|
| Ferric ammonium citrate | 1185-57-5 | -     | -    | -   | -    |
| Sodium lauryl sulfate   | 151-21-3  | -     | -    | -   | -    |

**Legend**

|                                                                   |                |
|-------------------------------------------------------------------|----------------|
| ACGIH (American Conference of Governmental Industrial Hygienists) | Does not apply |
| NTP (National Toxicology Program)                                 | Does not apply |
| OSHA                                                              | Does not apply |

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Mixture *invitro* Data**

No data available.

**Substance *invitro* Data**

Test data reported below.

| Chemical name                                 | Test           | Cell Strain      | Reported dose | Exposure time | Results                               | Key literature references and sources for data |
|-----------------------------------------------|----------------|------------------|---------------|---------------|---------------------------------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | DNA inhibition | Human lymphocyte | 100 mg/L      | None reported | Positive test result for mutagenicity | RTECS                                          |

**Mixture *in vivo* Data**

No data available.

**Substance *in vivo* Data**

No data available.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Reproductive Toxicity Data**

Test data reported below.

**Dermal Exposure Route**

| Chemical name         | Endpoint type          | Reported dose | Exposure time | Toxicological effects      | Key literature references and sources for data |
|-----------------------|------------------------|---------------|---------------|----------------------------|------------------------------------------------|
| Sodium lauryl sulfate | Mouse TD <sub>Lo</sub> | 480 mg/kg     | 7 days        | Effects on Embryo or Fetus | RTECS                                          |



**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 9 / 13

|                         |  |  |  |                                                   |  |
|-------------------------|--|--|--|---------------------------------------------------|--|
| (<1%)<br>CAS#: 151-21-3 |  |  |  | Fetotoxicity (except death e.g.<br>stunted fetus) |  |
|-------------------------|--|--|--|---------------------------------------------------|--|

**Aspiration hazard**

Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Based on available data, the classification criteria are not met.

**Unknown aquatic toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

**Mixture**

**Aquatic Acute Toxicity**

No data available.

**Aquatic Chronic Toxicity**

No data available.

**Substance**

**Aquatic Acute Toxicity**

Test data reported below.

**Fish**

| Chemical name                                 | Exposure time | Species                  | Endpoint type    | Reported dose | Key literature references and sources for data |
|-----------------------------------------------|---------------|--------------------------|------------------|---------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | 96 hours      | <i>Brachydanio rerio</i> | LC <sub>50</sub> | 7.97 mg/L     | IUCLID                                         |

**Crustacea**

| Chemical name                                 | Exposure time | Species               | Endpoint type    | Reported dose | Key literature references and sources for data |
|-----------------------------------------------|---------------|-----------------------|------------------|---------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | 48 Hours      | <i>Artemia salina</i> | LC <sub>50</sub> | 3.15 mg/L     | IUCLID                                         |

**Algae**

| Chemical name                                 | Exposure time | Species              | Endpoint type    | Reported dose | Key literature references and sources for data |
|-----------------------------------------------|---------------|----------------------|------------------|---------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | 72 Hours      | <i>Nitzschia sp.</i> | EC <sub>50</sub> | 20 mg/L       | IUCLID                                         |

**Aquatic Chronic Toxicity**

Test data reported below.

**Fish**

| Chemical name                                 | Exposure time | Species                    | Endpoint type | Reported dose | Key literature references and sources for data |
|-----------------------------------------------|---------------|----------------------------|---------------|---------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | 42 days       | <i>Pimephales promelas</i> | NOEC          | >= 1.36 mg/L  | ECHA                                           |

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 10 / 13

#### Crustacea

| Chemical name                                 | Exposure time | Species                   | Endpoint type | Reported dose | Key literature references and sources for data |
|-----------------------------------------------|---------------|---------------------------|---------------|---------------|------------------------------------------------|
| Sodium lauryl sulfate (<1%)<br>CAS#: 151-21-3 | 7 days        | <i>Ceriodaphnia dubia</i> | NOEC          | 0.88 mg/L     | ECHA                                           |

#### Persistence and degradability

##### Mixture

No data available.

##### Bioaccumulation

Material does not bioaccumulate

##### Mixture

No data available.

##### Partition coefficient

log K<sub>ow</sub> ~ 3.67

#### Mobility

##### Soil Organic Carbon-Water Partition Coefficient

log K<sub>oc</sub> ~ 2.14

##### Other adverse effects

No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

##### Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

##### Contaminated packaging

Do not reuse empty containers.

##### Special instructions for disposal

Unused product -. Place material in a plastic bag. Mark bag 'Non-hazardous trash', and dispose of as normal refuse. Used product -. Sterilize with bleach or by autoclaving.

### 14. TRANSPORT INFORMATION

##### DOT

Not regulated

##### TDG

Not regulated

##### IATA

Not regulated

##### IMDG

Not regulated

#### **Additional information**

There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies.

If the item is part of a reagent set or kit the classification would change to the following:

UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III.

If the item is not regulated, the Chemical Kit classification does not apply.

### 15. REGULATORY INFORMATION

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 11 / 13

#### National Inventories

For Inventory status, "complies" means, listed on the inventory, exempted or otherwise complies.

**TSCA** Complies  
**DSL/NDSL** Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

#### International Inventories

**EINECS/ELINCS** Complies  
**ENCS** Does not comply  
**IECSC** Complies  
**KECI** Complies  
**PICCS** Complies  
**TCSI** Complies  
**AICS** Complies  
**NZIoC** Complies

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**TCSI** - Taiwan Chemical Substances Inventory  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### SARA 311/312 Hazard Categories

|                                          |     |
|------------------------------------------|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

##### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name                        | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Ferric ammonium citrate<br>1185-57-5 | -                           | -                      | -                         | X                          |

##### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical name                        | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|--------------------------------------|--------------------------|----------------|-------------------------------------------|
| Ferric ammonium citrate<br>1185-57-5 | 1000 lb                  | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

#### US State Regulations

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 12 / 13

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### **U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

| Chemical name                        | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------------|------------|---------------|--------------|
| Ferric ammonium citrate<br>1185-57-5 | X          | X             | X            |

#### **U.S. EPA Label Information**

| Chemical name         | FIFRA    | FDA |
|-----------------------|----------|-----|
| Sodium lauryl sulfate | 180.0940 | -   |

### **16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

#### **Special Comments**

None

#### **Additional information**

#### **Global Automotive Declarable Substance List (GADSL)**

Not applicable

#### **NFPA and HMIS Classifications**

| NFPA | Health hazards - 2 | Flammability - 0 | Instability - 0      | Physical and chemical properties - |
|------|--------------------|------------------|----------------------|------------------------------------|
| HMIS | Health hazards - 2 | Flammability - 0 | Physical hazards - 0 | Personal protection -<br>X<br>- I  |

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

|             |                                                                                             |
|-------------|---------------------------------------------------------------------------------------------|
| ACGIH       | ACGIH (American Conference of Governmental Industrial Hygienists)                           |
| ATSDR       | ATSDR (Agency for Toxic Substances and Disease Registry)                                    |
| CCRIS       | CCRIS (Chemical Carcinogenesis Research Information System)                                 |
| CDC         | CDC (Center for Disease Control)                                                            |
| CEPA        | CEPA (Canadian Environmental Protection Agency)                                             |
| CICAD       | CICAD (Concise International Chemical Assessment Documents)                                 |
| ECHA        | ECHA (The European Chemicals Agency)                                                        |
| EEA         | EEA (European Environment Agency)                                                           |
| EPA         | Environmental Protection Agency                                                             |
| ERMA        | ERMA (New Zealand's Environmental Risk Management Authority)                                |
| ECOSARS     | Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite™     |
| FDA         | FDA (Food & Drug Administration)                                                            |
| GESTIS      | GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance) |
| HSDB        | HSDB (Hazardous Substances Data Bank)                                                       |
| INERIS      | INERIS (The National Industrial Environment and Risks Institute)                            |
| IPCS INCHEM | IPCS INCHEM (International Programme on Chemical Safety)                                    |
| IUCLID      | IUCLID (The International Uniform Chemical Information Database)                            |
| NITE        | Japan National Institute of Technology and Evaluation (NITE)                                |
| NIH         | NIH (National Institutes of Health)                                                         |
| NIOSH       | NIOSH (National Institute for Occupational Safety and Health)                               |

**Product Code(s)** 2610796  
**Issue Date** 15-Apr-2021  
**Version** 2.6

**Product Name** PathoScreen™ Medium MPN Pillows  
**Revision Date** 10-Feb-2025  
**Page** 13 / 13

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| LOLI       | LOLI (List of Lists - An International Chemical Regulatory Database)                |
| NDF        | no data                                                                             |
| NICNAS     | Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) |
| NIOSH IDLH | Immediately Dangerous to Life or Health                                             |
| OSHA       | Occupational Safety and Health Administration of the US Department of Labor         |
| PEEN       | PEEN (Pan European Ecological Network)                                              |
| RTECS      | RTECS (Registry of Toxic Effects of Chemical Substances)                            |
| SIDS       | SIDS (Screening Information Dataset) for High Volume Chemicals                      |
| SYKE       | The Finnish Environment Institute (SYKE)                                            |
| USDA       | USDA (United States Department of Agriculture)                                      |
| USDC       | USDC (United States Department of Commerce)                                         |
| WHO        | WHO (World Health Organization)                                                     |

**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|      |                                 |         |                                                                                                                                                                                                                                                                                       |
|------|---------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TWA  | TWA (time-weighted average)     | STEL    | STEL (Short Term Exposure Limit)                                                                                                                                                                                                                                                      |
| MAC  | Maximum Allowable Concentration | Ceiling | Ceiling Limit Value                                                                                                                                                                                                                                                                   |
| X    | Listed                          | Vacated | These values have no official status. The only binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations. |
| SKN* | Skin designation                | SKN+    | Skin sensitization                                                                                                                                                                                                                                                                    |
| RSP+ | Respiratory sensitization       | **      | Hazard Designation                                                                                                                                                                                                                                                                    |
| C    | Carcinogen                      | R       | Reproductive toxicant                                                                                                                                                                                                                                                                 |
| M    | mutagen                         |         |                                                                                                                                                                                                                                                                                       |

**Prepared By** Hach Product Compliance Department

**Issue Date** 15-Apr-2021

**Revision Date** 10-Feb-2025

**Revision Note** None

**Disclaimer**

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**

**HACH COMPANY ©2025**

**End of Safety Data Sheet**