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). Articles, and otherwise immobilized and inaccessible chemicals, that are biocidal or pesticidal do not require a Safety Data Sheet under the Workplace Hazardous Materials Information System (WHMIS) of Health Canada.

Kit Components:

- Sample Diluent
- Lateral Flow Devices

For product information, please contact your Neogen Corporation Representative.
For further information regarding this SDS, please contact SDS@neogen.com.
Reveal® Q+ Sample Diluent

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

1.1. Product identifier

Product name: Reveal® Q+ Sample Diluent
Product code: 24331

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 laboratory use only.

1.3. Details of the supplier of the safety data sheet

Company: Neogen Corporation
Address: 620 Lesher Place
Lansing MI 48912
USA
Web: www.neogen.com
Telephone: 517-372-9200/800-234-5333
Email: SDS@neogen.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.2. Label elements

Hazard Statement: No Significant Hazard

2.3. Other hazards

Other hazards: May be harmful if swallowed.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (Sodium azide As Sodium azide)</td>
<td>011-004-00-7</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>0 - 0.5%</td>
<td>Acute Tox. 2: H300; aquatic Acute 1: H400; aquatic Chronic 1: H410;</td>
<td></td>
</tr>
</tbody>
</table>
Reveal® Q+ Sample Diluent

Description
No components need to be disclosed according to the applicable regulations. Concentrations listed are not product specifications.

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

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>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.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Ingestion may cause nausea and vomiting.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May cause irritation to respiratory system.</td>
</tr>
</tbody>
</table>

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

This product is not flammable. Contains substance(s) which are hazardous to the environment.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.
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 in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

- Use as appropriate: Protective equipment.
- Use as appropriate: Suitable eye protection.
- Use as appropriate: Chemical-resistant gloves made of any waterproof material.
- Use as appropriate: Protective clothing.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Reveal® Q+ Sample Diluent

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Aqueous solution</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless/Slight</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidising</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>7.34</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limits</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
</tbody>
</table>

9.2. Other information

VOC (Volatile organic compounds): Not applicable.

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 toxicological effects

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.
11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>May cause allergic reactions in susceptible people.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No mutagenic effects reported.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-123. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. Not listed in the OSHA standard 1910.1003 Carcinogens.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>STOT-single exposure             No Significant Hazard.</td>
</tr>
<tr>
<td></td>
<td>STOT-repeated exposure           No Significant Hazard.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No Significant Hazard.</td>
</tr>
<tr>
<td>Repeated or prolonged exposure</td>
<td>Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.</td>
</tr>
</tbody>
</table>

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 Harmonised 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.
11.13. Other information
Caution - substance not yet fully tested.

SECTION 12: Ecological information

12.1. Toxicity
No data available

12.2. Persistence and degradability
No data is available on this product.

12.3. Bioaccumulative potential
No data is available on this product.

12.4. Mobility in soil
No data is available on this product.

12.5. Results of PBT and vPvB assessment
No data is available on this product.

12.6. Other adverse effects
Caution - substance not yet fully tested. Contains substance(s) which are hazardous to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of in compliance with all local and national regulations. Follow label instructions.

13.2. 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.

13.3. 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.
## 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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

<table>
<thead>
<tr>
<th>Regulations</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR).</td>
<td>--International--.</td>
</tr>
<tr>
<td>Basel Convention (Hazardous Waste): Not applicable.</td>
<td>--Asia and the ASEAN Nations--.</td>
</tr>
<tr>
<td>Chemical Weapons Convention (OPCW): This material contains no reportable components.</td>
<td>- Catalog of Hazardous Chemicals (China): [217, Sodium azide, CAS No. 26628-22-8].</td>
</tr>
<tr>
<td>Kyoto Protocol Greenhouse Gases: This material contains no reportable components.</td>
<td>- Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This material contains no reportable components.</td>
</tr>
<tr>
<td>Mercosur Agreement: Applicable.</td>
<td>- Chemical Substances Control Law (Japan): Class I environmental release. Type III monitoring, No. 158, [Sodium azide, CAS No. 26628-22-8]. Water Pollution Control Law: [Sodium hydroxide (solution), CAS No. 1310-73-2].</td>
</tr>
<tr>
<td>Montreal Protocol: This material contains no reportable components.</td>
<td>- Industrial Safety and Health Act, Dangerous Substances (Japan): This material contains no reportable components.</td>
</tr>
<tr>
<td>The Rotterdam Convention: This material contains no reportable components.</td>
<td>- Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.</td>
</tr>
<tr>
<td>The Stockholm Convention: This material contains no reportable components.</td>
<td>- Chemical Substances Subject to Permission (Korea): This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>- Restricted or Prohibited Substances (Korea): This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>- Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): Schedule I exposure standard, CLASS regulation, [Sodium azide, CAS No. 26628-22-8], [Sodium hydroxide (solution), CAS No. 1310-73-2].</td>
</tr>
<tr>
<td></td>
<td>- Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.</td>
</tr>
<tr>
<td></td>
<td>- Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>- Hazardous Substances Act (Thailand): This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>--Australia and New Zealand--.</td>
</tr>
<tr>
<td>Australian Dangerous Goods Code: Not applicable.</td>
<td>Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.</td>
</tr>
<tr>
<td>New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.</td>
<td></td>
</tr>
</tbody>
</table>
### Section 15: Safety, health and environmental regulations/legislation specific for the substance or mixture

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

Authorisation List (Annex XIV of REACH): This material contains no reportable components.
Annex XVII for REACH: This material contains no reportable components.
Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.
Toxic Substances Control Act (TSCA): All ingredients listed or exempt.
Massachusetts Right-to-Know Hazardous Substance List: Sodium phosphate dibasic.
New Jersey Worker and Community Right to Know Act: Sodium phosphate dibasic.
Pennsylvania Right to Know Law: Phosphoric acid disodium salt.
Rhode Island Right-to-Know General Law: This material contains no reportable components.
California Proposition 65: This material contains no reportable components.

### Section 16: Other information

<table>
<thead>
<tr>
<th>Revision Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>This document differs from the previous version in the following areas:</td>
</tr>
<tr>
<td>1 - Description.</td>
</tr>
<tr>
<td>1 - Product Use.</td>
</tr>
<tr>
<td>2 - Other hazards.</td>
</tr>
<tr>
<td>5 - 5.2. Special hazards arising from the substance or mixture.</td>
</tr>
<tr>
<td>9 - 9.1. Information on basic physical and chemical properties (Explosive).</td>
</tr>
<tr>
<td>9 - 9.1. Information on basic physical and chemical properties (Solubility).</td>
</tr>
<tr>
<td>9 - 9.2. Other information (Product Subcategory).</td>
</tr>
<tr>
<td>11 - Acute toxicity.</td>
</tr>
<tr>
<td>11 - Repeated or prolonged exposure.</td>
</tr>
<tr>
<td>12 - 12.6. Other adverse effects.</td>
</tr>
<tr>
<td>15 -</td>
</tr>
<tr>
<td>16 - Maximum content of VOC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acronyms</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</td>
</tr>
<tr>
<td>CAS No.: Chemical Abstracts Service.</td>
</tr>
<tr>
<td>CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</td>
</tr>
<tr>
<td>GHS: Globally Harmonized System.</td>
</tr>
<tr>
<td>IATA: International Air Transport Association.</td>
</tr>
<tr>
<td>ICAO: International Civil Aviation Organisation.</td>
</tr>
<tr>
<td>IMDG: International Maritime Dangerous Goods.</td>
</tr>
<tr>
<td>LD: Lethal dose.</td>
</tr>
<tr>
<td>OEL: Occupational exposure limit.</td>
</tr>
<tr>
<td>OSHA: U.S. Occupational Safety and Health Administration.</td>
</tr>
<tr>
<td>PEL: Permissible Exposure Limit.</td>
</tr>
<tr>
<td>REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.</td>
</tr>
<tr>
<td>SVHC: Substance of very high concern.</td>
</tr>
<tr>
<td>US DOT: United States Department of Transportation.</td>
</tr>
<tr>
<td>VOC: Volatile Organic Compound.</td>
</tr>
<tr>
<td>WEL: Workplace Exposure Limit.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Text of Hazard Statements in Section 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH032 - Contact with acids liberates very toxic gas.</td>
</tr>
<tr>
<td>Acute Tox. 2: H300 - Fatal if swallowed.</td>
</tr>
</tbody>
</table>
# Reveal® Q+ Sample Diluent

**Other Information**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1:</td>
<td>H400 - Very toxic to aquatic life.</td>
</tr>
<tr>
<td>Aquatic Chronic 1:</td>
<td>H410 - Very toxic to aquatic life with</td>
</tr>
<tr>
<td></td>
<td>long lasting effects.</td>
</tr>
</tbody>
</table>

**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.

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