Material Safety Data Sheet

TPO IgG ELISA
In-Vitro Diagnostic Use Only

ELISA Plate

SECTION 1. Company Identification

<table>
<thead>
<tr>
<th><strong>Product name:</strong></th>
<th>TPO IgG ELISA Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Catalog No.:</strong></td>
<td>1446-2</td>
</tr>
<tr>
<td><strong>Synonyms:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Product description:</strong></td>
<td>ELISA-based Diagnostic Kit</td>
</tr>
<tr>
<td><strong>Intended Use:</strong></td>
<td>Diagnostic test component</td>
</tr>
<tr>
<td><strong>Kit Storage</strong></td>
<td>2-8°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Company:</strong></th>
<th>Diagnostic Automation Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Address:</strong></td>
<td>21250 Califa St, Suite 102 &amp; 116, Woodland Hills, CA 91367, USA.</td>
</tr>
<tr>
<td><strong>Website:</strong></td>
<td><a href="http://www.rapidtest.com">www.rapidtest.com</a></td>
</tr>
<tr>
<td><strong>Phone:</strong></td>
<td>818-591-3030</td>
</tr>
<tr>
<td><strong>Fax:</strong></td>
<td>818-591-8383</td>
</tr>
<tr>
<td><strong>E-mail:</strong></td>
<td><a href="mailto:onestep@rapidtest.com">onestep@rapidtest.com</a></td>
</tr>
</tbody>
</table>

**Emergency phone:** Contact your local Emergency Health Provider.

SECTION 2. Hazards Identification

2.1 *Classification of the substance or mixture*
Classification (GHS-US)
Not classified.

2.2 *Label elements*
GHS-US Labeling
No labeling applicable

2.3 *Other hazards*
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4 *Unknown Acute Toxicity (GHS-US)*
No data available.

SECTION 3. Composition and Ingredients Information

3.1 *Substances*
Not applicable

3.2 *Mixture*
ELISA Plate contains the following components:
- 96 wells polystyrene plate
- Moisture desiccant
- Poly foil pouch
SECTION 4. First Aid Measures

4.1 Description of first aid measures

| General: | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). |
| Inhalation: | Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists. |
| Skin contact: | Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists. |
| Eye contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention. |
| Ingestion: | Do NOT induce vomiting. Rinse mouth. Call a poison center or doctor if large amount ingested. |

4.2 Most Important Symptoms and Effects (both acute and delayed)

| General: | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Inhalation: | Overexposure may be irritating to the respiratory system. |
| Skin contact: | Contact during a long period may cause slight irritation. |
| Eye contact: | Direct contact with the eyes is likely irritating. |
| Ingestion: | Ingestion is not likely to be harmful or have adverse effects. |
| Chronic Symptoms: | None expected under normal conditions of use. |

4.3 Indication of any Immediate Medical Attention and Special Treatment needed

If you feel unwell, get medical advice (show the label where possible).

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate to the surrounding fire.
Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Not considered flammable but may burn at high temperatures.
Explosion hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for firefighters

Precautionary Measures: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
Firefighting instructions: Use water spray or fog for cooling exposed containers.
Protection: Do not enter fire area without proper protective equipment, including respiratory protection.

5.4 Reference to other Sections
Refer to section 9 for flammability properties.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid all unnecessary exposure.

6.1.1 For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.
6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

6.4 Reference to other Sections
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.


7.3 Specific End Use(s)
Diagnostic Test component.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.2 Exposure controls

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Ensure adequate ventilation of the working area, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.</th>
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<tbody>
<tr>
<td>Personal Protective equipment</td>
<td>Not generally required. The use of personal protective equipment may be necessary as conditions warrant.</td>
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<tr>
<td>Materials for Protective Clothing</td>
<td>Chemically resistant materials and fabrics.</td>
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<td>Hand Protection</td>
<td>In case of repeated or prolonged contact wear gloves.</td>
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<td>Eye/face protection</td>
<td>In case of splash hazard: chemical goggles or safety glasses.</td>
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<td>Skin and Body protection</td>
<td>Wear suitable protective clothing.</td>
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<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.</td>
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<tr>
<td>Environmental exposure controls</td>
<td>Do not allow the product to be released into the environment.</td>
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<tr>
<td>Consumer Exposure controls</td>
<td>Do not eat, drink or smoke during use.</td>
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</tbody>
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SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
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</table>
SECTION 10. Stability and Reactivity

10.1 Reactivity
Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

10.4 Conditions to Avoid
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 Incompatible Materials
Strong acids, strong bases, strong oxidizers.

10.6 Hazardous Decomposition Products
None known.

SECTION 11. Toxicology Information

11.1 Toxicological information
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeate Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries after Inhalation: Overexposure may be irritating to the respiratory system.
Symptoms/Injuries after Skin Contact: Contact during a long period may cause slight irritation.
Symptoms/Injuries after Eye Contact: Direct contact with the eyes is likely irritating.
Symptoms/Injuries after Ingestion: Ingestion is not likely to be harmful or have adverse effects.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 12. Ecological Information

12.1 Toxicity
No additional information available.

12.2 Persistence and Degradability
Not available.

12.3 Bioaccumulative Potential
Not available.

12.4 Mobility in Soil
Not available.

12.5 Other Adverse Effects
Other information: Avoid release to the environment.

SECTION 13. Disposal Considerations

13.1 Waste Treatment Methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14. Transport Information

14.1 In Accordance with DOT
Not regulated for transport.

14.2 In Accordance with IMDG
Not regulated for transport.

14.3 In Accordance with IATA
Not regulated for transport.

14.4 In Accordance with TDG
Not regulated for transport.

SECTION 15. Regulatory Information

15.1 US Federal Regulations
Neither this product nor its chemical components appear on any US federal lists.
15.2 **US State Regulations**
Neither this product nor its chemical components appear on any US federal lists.

15.3 **Canadian Regulations**

| ELISA Plate | Uncontrolled product according to WHMIS classification criteria |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16. Other information

<table>
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<tr>
<th>Revision Date</th>
<th>09/22/2015</th>
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</thead>
<tbody>
<tr>
<td>Other Information</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
</tr>
</tbody>
</table>

Party Responsible for the Preparation of This Document
Diagnostic Automation Inc. 818-591-3030

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*
Sample Diluent

SECTION 1. Company Identification

Product name: TPO IgG ELISA Sample Diluent
Catalog No.: 1446-2
Synonyms: N/A
Product description: ELISA-based Diagnostic Kit
Intended Use: Diagnostic test component
Kit Storage: 2-8°C

Company: Diagnostic Automation Inc.
Address: 21250 Califa St, Suite 102 & 116, Woodland Hills, CA 91367, USA.
Website: www.rapidtest.com
Phone: 818-591-3030
Fax: 818-591-8383
E-mail: onestep@rapidtest.com

Emergency phone: Contact your local Emergency Health Provider.

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture
Classification (GHS-US)
Not classified.

2.2 Label elements
GHS-US Labeling
No labeling applicable

2.3 Other hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4 Unknown Acute Toxicity (GHS-US)
No data available.

SECTION 3. Composition and Ingredients Information

3.1 Substances
Not applicable

3.2 Mixture
DAI ELISA Sample Diluent
This mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

SECTION 4. First Aid Measures

4.1 Description of first aid measures

| General: | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). |
| Inhalation: | Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists. |
| Skin contact: | Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists. |
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. Call a poison center or doctor if large amount ingested.

4.2 **Most Important Symptoms and Effects (both acute and delayed)**

| General: | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Inhalation: | Overexposure may be irritating to the respiratory system. |
| Skin contact: | Contact during a long period may cause slight irritation. |
| Eye contact: | Direct contact with the eyes is likely irritating. |
| Ingestion: | Ingestion of large quantities may be harmful or have adverse effects. |
| Chronic Symptoms: | None expected under normal conditions of use. |

4.3 **Indication of any Immediate Medical Attention and Special Treatment needed**

If you feel unwell, get medical advice (show the label where possible).

**SECTION 5. Firefighting measures**

5.1 **Extinguishing media**

*Suitable extinguishing media:* Use extinguishing media appropriate to the surrounding fire.

*Unsuitable extinguishing media:* Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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

- **Fire hazard:** Not considered flammable but may burn at high temperatures.
- **Explosion hazard:** Product is not explosive.
- **Reactivity:** Hazardous reactions will not occur under normal conditions.

5.3 **Advice for firefighters**

*Precautionary Measures:* Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

*Firefighting instructions:* Use water spray or fog for cooling exposed containers.

*Protection:* Do not enter fire area without proper protective equipment, including respiratory protection.

*Hazardous Combustion Products:* Carbon Oxides (CO, CO₂).

5.4 **Reference to other Sections**

Refer to section 9 for flammability properties.

**SECTION 6. Accidental release measures**

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

Avoid all unnecessary exposure.

6.1.1 **For Non-Emergency Personnel**

*Protective Equipment:* Use appropriate personal protection equipment (PPE).

*Emergency Procedures:* Evacuate unnecessary personnel.

6.1.2 **For Emergency Personnel**

*Protective Equipment:* Equip cleanup crew with proper protection.

*Emergency Procedures:* Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2 **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

6.4 Reference to other Sections
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.


7.3 Specific End Use(s)
Diagnostic Test component.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.2 Exposure controls

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<th>Appropriate engineering controls</th>
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<td>Hand Protection</td>
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<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td>Do not allow the product to be released into the environment.</td>
</tr>
<tr>
<td>Consumer Exposure controls</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State : Liquid
Appearance : Not available
Odor : Not available
Odor Threshold : Not available
pH : Not available
Evaporation Rate : Not available
Melting Point : Not available
Freezing Point : Not available
Boiling Point : Not available
Flash Point : Not available
Auto-ignition Temperature : Not available
Decomposition Temperature : Not available
Flammability (solid, gas) : Not available
Lower Flammable Limit : Not available
Upper Flammable Limit : Not available
Vapor Pressure : Not available
Relative Vapor Density at 20 °C : Not available
Relative Density : Not available
Specific Gravity : Not available
Solubility : Not available
Partition Coefficient: N-Octanol/Water : Not available
Viscosity : Not available
Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge : Not expected to present an explosion hazard due to static discharge.

SECTION 10. Stability and Reactivity

10.1 Reactivity
Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

10.4 Conditions to Avoid
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 Incompatible Materials
Strong acids, strong bases, strong oxidizers.

10.6 Hazardous Decomposition Products
Thermal decomposition generates: Carbon oxides (CO, CO₂).

SECTION 11. Toxicology Information

11.1 Toxicological information
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries after Inhalation: Overexposure may be irritating to the respiratory system.
Symptoms/Injuries after Skin Contact: Contact during a long period may cause slight irritation.
Symptoms/Injuries after Eye Contact: Direct contact with the eyes is likely irritating.
Symptoms/Injuries after Ingestion: Ingestion of large quantities may be harmful or have adverse effects.
**Chronic Symptoms:** None expected under normal conditions of use.

### SECTION 12. Ecological Information

12.1 *Toxicity*
No additional information available.

12.2 *Persistence and Degradability*
Not available.

12.3 *Bioaccumulative Potential*
Not available

12.4 *Mobility in Soil*
Not available

12.5 *Other Adverse Effects*
Other information: Avoid release to the environment.

### SECTION 13. Disposal Considerations

13.1 *Waste Treatment Methods*
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

### SECTION 14. Transport Information

14.1 *In Accordance with DOT*
Not regulated for transport.

14.2 *In Accordance with IMDG*
Not regulated for transport.

14.3 *In Accordance with IATA*
Not regulated for transport.

14.4 *In Accordance with TDG*
Not regulated for transport.

### SECTION 15. Regulatory Information

15.1 *US Federal Regulations*
Neither this product nor its chemical components appear on any US federal lists.

15.2 *US State Regulations*
Neither this product nor its chemical components appear on any US federal lists.

15.3 *Canadian Regulations*

<table>
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<tr>
<th>ELISA Sample Diluent</th>
<th>WHMIS Classification</th>
<th>Uncontrolled product according to WHMIS classification criteria</th>
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Party Responsible for the Preparation of This Document
Diagnostic Automation Inc. 818-591-3030

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Controls and Calibrators

SECTION 1. Company Identification

Product name: TPO IgG ELISA Controls and Calibrators
Catalog No.: 1446-2
Synonyms: N/A
Product description: ELISA-based Diagnostic Kit
Intended Use: Diagnostic test component
Kit Storage: 2-8°C

Company: Diagnostic Automation Inc.
Address: 21250 Califa St, Suite 102 & 116, Woodland Hills, CA 91367, USA.
Website: www.rapidtest.com
Phone: 818-591-3030
Fax: 818-591-8383
E-mail: onestep@rapidtest.com

Emergency phone: Contact your local Emergency Health Provider.

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture
Classification (GHS-US)
Not classified.

2.2 Label elements
GHS-US Labeling
No labeling applicable

2.3 Other hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4 Unknown Acute Toxicity (GHS-US)
No data available.

SECTION 3. Composition and Ingredients Information

3.1 Substances
Not applicable

3.2 Mixture
DAI ELISA Controls and Calibrators
This mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

SECTION 4. First Aid Measures

4.1 Description of first aid measures

| General: | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). |
| Inhalation: | Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists. |
| Skin contact: | Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists. |
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. Call a poison center or doctor if large amount ingested.

4.2 Most Important Symptoms and Effects (both acute and delayed)

<table>
<thead>
<tr>
<th>General:</th>
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<tr>
<td>Inhalation:</td>
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<td>Chronic Symptoms:</td>
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4.3 Indication of any Immediate Medical Attention and Special Treatment needed

If you feel unwell, get medical advice (show the label where possible).

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate to the surrounding fire.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Not considered flammable but may burn at high temperatures.

Explosion hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for firefighters

Precautionary Measures: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting instructions: Use water spray or fog for cooling exposed containers.

Protection: Do not enter fire area without proper protective equipment, including respiratory protection.

5.4 Reference to other Sections

Refer to section 9 for flammability properties.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid all unnecessary exposure.

6.1.1 For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).


6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.


6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

6.4 Reference to other Sections
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.


7.3 Specific End Use(s)
Diagnostic Test component.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters
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</tr>
<tr>
<td>Hand Protection</td>
<td>In case of repeated or prolonged contact wear gloves.</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>In case of splash hazard: chemical goggles or safety glasses.</td>
</tr>
<tr>
<td>Skin and Body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td>Do not allow the product to be released into the environment.</td>
</tr>
<tr>
<td>Consumer Exposure controls</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State : Liquid
Appearance     : Not available
Odor           : Not available
Odor Threshold : Not available
pH             : Not available
Evaporation Rate: Not available
Melting Point  : Not available
Freezing Point : Not available
Boiling Point  : Not available
Flash Point : Not available
Auto-ignition Temperature : Not available
Decomposition Temperature : Not available
Flammability (solid, gas) : Not available
Lower Flammable Limit : Not available
Upper Flammable Limit : Not available
Vapor Pressure : Not available
Relative Vapor Density at 20 °C : Not available
Relative Density : Not available
Specific Gravity : Not available
Solubility : Not available
Partition Coefficient: N-Octanol/Water : Not available
Viscosity : Not available
Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge : Not expected to present an explosion hazard due to static discharge.

SECTION 10. Stability and Reactivity

10.1 Reactivity
Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

10.4 Conditions to Avoid
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 Incompatible Materials
Strong acids, strong bases, strong oxidizers.

10.6 Hazardous Decomposition Products
None known.

SECTION 11. Toxicology Information

11.1 Toxicological information
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries after Inhalation: Overexposure may be irritating to the respiratory system.
Symptoms/Injuries after Skin Contact: Contact during a long period may cause slight irritation.
Symptoms/Injuries after Eye Contact: Direct contact with the eyes is likely irritating.
Symptoms/Injuries after Ingestion: Ingestion of large quantities is likely to be harmful or have adverse effects.
**Chronic Symptoms**: None expected under normal conditions of use.

**SECTION 12. Ecological Information**

12.1 *Toxicity*
Not available.

12.2 *Persistence and Degradability*
Not available.

12.3 *Bioaccumulative Potential*
Not available.

12.4 *Mobility in Soil*
Not available.

12.5 *Other Adverse Effects*
Other information: Avoid release to the environment.

**SECTION 13. Disposal Considerations**

13.1 *Waste Treatment Methods*
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**SECTION 14. Transport Information**

14.1 *In Accordance with DOT*
Not regulated for transport.

14.2 *In Accordance with IMDG*
Not regulated for transport.

14.3 *In Accordance with IATA*
Not regulated for transport.

14.4 *In Accordance with TDG*
Not regulated for transport.

**SECTION 15. Regulatory Information**

15.1 *US Federal Regulations*
Neither this product nor its chemical components appear on any US federal lists.

15.2 *US State Regulations*
Neither this product nor its chemical components appear on any US federal lists.

15.3 *Canadian Regulations*

<table>
<thead>
<tr>
<th>ELISA Controls and Calibrators</th>
<th>WHMIS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Uncontrolled product according to WHMIS classification criteria</td>
</tr>
</tbody>
</table>
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16.  Other information

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>09/22/2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Information</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
</tr>
</tbody>
</table>

Party Responsible for the Preparation of This Document
Diagnostic Automation Inc. 818-591-3030

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
ELISA Conjugate

SECTION 1. Company Identification

Product name: TPO IgG ELISA Conjugate
Catalog No.: 1446-2
Synonyms: N/A
Intended Use: Diagnostic test component
Product description: ELISA-based Diagnostic Kit
Storage: 2-8˚C

Company: Diagnostic Automation Inc.
Address: 21250 Califa St, Suite 102 & 116, Woodland Hills, CA 91367, USA.
Website: www.rapidtest.com
Phone: 818-591-3030
Fax: 818-591-8383
E-mail: onestep@rapidtest.com

Emergency phone: Contact your local Emergency Health Provider.

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture
Classification (GHS-US)
Skin Sens. 1 H317
Full text of H-Phrases: see Section 16

2.2 Label elements

GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Warning
Hazard Statements (GHS-US):
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.

Precautionary Statements (GHS-US):
P261 – Avoid breathing vapors, mist, or spray.
P264 – Wash hands, forearms, and other exposed areas thoroughly after handling.
P271 – Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves, protective clothing, and eye protection.
P302+P352 – If on skin: Wash with plenty of water.
P304+P340 – If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 – Call a poison center or doctor if you feel unwell.
P321 – Specific treatment (see section 4 on this SDS).
P332+P313 – If skin irritation occurs: Get medical advice/attention.
P337+P313 – If eye irritation persists: Get medical advice/attention.
P362+P364 – Take off contaminated clothing and wash it before reuse.
P403+P233 – Store in a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 – Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3 Other hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4 Unknown Acute Toxicity (GHS-US)
No data available.

SECTION 3. Composition and Ingredients Information

3.1 Substances
Not applicable

3.2 Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&lt; 100</td>
<td>Not classified</td>
</tr>
<tr>
<td>[1,1'-Biphenyl]-4,4'-diamine, 3,3',5,5'-tetramethylbenzidine</td>
<td>54827-17-7</td>
<td>&lt; 100</td>
<td>Skin Irrit. 2, H315, Eye Irrit. 2A, H319, STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16.

SECTION 4. First Aid Measures

4.1 Description of first aid measures

| General: | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). |
| Inhalation: | When symptoms occur, go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists. |
| Skin contact: | Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists. |
| Eye contact: | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention. |
| Ingestion: | Do NOT induce vomiting. Rinse mouth. Call a poison center or doctor if large amount ingested. |

4.2 Most Important Symptoms and Effects (both acute and delayed)

| General: | Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. |
| Inhalation: | Overexposure may be irritating to the respiratory system. |
| Skin contact: | May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis. |
| Eye contact: | Direct contact with the eyes is likely irritating. |
| Ingestion: | Ingestion of large quantities may be harmful or have adverse effects. |
| Chronic Symptoms: | None expected under normal conditions of use. |

4.3 Indication of any Immediate Medical Attention and Special Treatment needed
If you feel unwell, get medical advice (show the label where possible).

SECTION 5. Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate to the surrounding fire. Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not considered flammable but may burn at high temperatures.
Explosion hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for firefighters
Precautionary Measures: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
Firefighting instructions: Use water spray or fog for cooling exposed containers.
Protection: Do not enter fire area without proper protective equipment, including respiratory protection.

5.4 Reference to other Sections
Refer to section 9 for flammability properties.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid all unnecessary exposure.

6.1.1 For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

6.4 Reference to other Sections
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

7.3 Specific End Use(s)
Diagnostic Test component.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

<table>
<thead>
<tr>
<th>Glycerin (56-81-5)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td></td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL STEL (mg/m³)</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL STEL (mg/m³)</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (mg/m³)</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (mg/m³)</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL TWA (mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.2 Exposure controls

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Ensure adequate ventilation of the working area, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Protective equipment</td>
<td>Gloves. Protective clothing.</td>
</tr>
<tr>
<td>Materials for Protective Clothing</td>
<td>Chemically resistant materials and fabrics.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Protective gloves.</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>In case of splash hazard: chemical goggles or safety glasses.</td>
</tr>
<tr>
<td>Skin and Body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td>Do not allow the product to be released into the environment.</td>
</tr>
<tr>
<td>Consumer Exposure controls</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

### SECTION 9. Physical and Chemical Properties

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

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
</tbody>
</table>
**SECTION 10. Stability and Reactivity**

10.1 *Reactivity*
Hazardous reactions will not occur under normal conditions.

10.2 *Chemical stability*
Stable under recommended handling and storage conditions (see section 7).

10.3 *Possibility of Hazardous Reactions*
Hazardous polymerization will not occur.

10.4 *Conditions to Avoid*
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 *Incompatible Materials*
Strong acids, strong bases, strong oxidizers.

10.6 *Hazardous Decomposition Products*

**SECTION 11. Toxicology Information**

11.1 *Toxicological information*
**LD₅₀ and LC₅₀ Data**: Not available
**Skin Corrosion/Irritation**: Not classified
**Serious Eye Damage/Irritation**: Not classified
**Respiratory or Skin Sensitization**: May cause an allergic skin reaction.
**Germ Cell Mutagenicity**: Not classified
**Teratogenicity**: Not classified
**Carcinogenicity**: May cause cancer.
**Specific Target Organ Toxicity (Repeated Exposure)**: Not classified
**Reproductive Toxicity**: Not classified
**Specific Target Organ Toxicity (Single Exposure)**: Not classified
**Aspiration Hazard**: Not classified

**Symptoms/Injuries after Inhalation**: Overexposure may be irritating to the respiratory system.
**Symptoms/Injuries after Skin Contact**: May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
**Symptoms/Injuries after Eye Contact**: Direct contact with the eyes is likely irritating.
**Symptoms/Injuries after Ingestion**: Ingestion of large quantities may be harmful or have adverse effects.
**Chronic Symptoms**: None expected under normal conditions of use.
11.2 Information on Toxicological Effects – Ingredient(s)

**LD50 and LC50 Data:**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
<th>LD50 (dust, mist)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Methyl-3-isothiazolone (2682-20-4)</td>
<td>100.00 mg/kg body weight</td>
<td>300.00 mg/kg body weight</td>
<td>0.50 mg/l/4h</td>
</tr>
</tbody>
</table>

**Glycerin (56-81-5)**

<table>
<thead>
<tr>
<th></th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
<th>LD50 (inhalation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>23000 mg/kg</td>
<td>&gt; 10 g/kg</td>
<td>&gt; 570 mg/m³ (Exposure time: 1h)</td>
</tr>
</tbody>
</table>

**SECTION 12. Ecological Information**

12.1 **Toxicity**

**Glycerin (56-81-5)**

<table>
<thead>
<tr>
<th></th>
<th>LC50 (Fish 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>54000 (51000 - 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])</td>
</tr>
</tbody>
</table>

12.2 **Persistence and Degradability**

Not available.

12.3 **Bioaccumulative Potential**

**Glycerin (56-81-5)**

<table>
<thead>
<tr>
<th></th>
<th>BCF (Fish 1)</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>(no bioaccumulation)</td>
<td>-1.76</td>
</tr>
</tbody>
</table>

12.4 **Mobility in Soil**

Not available

12.5 **Other Adverse Effects**

Other information: Avoid release to the environment.

**SECTION 13. Disposal Considerations**

13.1 **Waste Treatment Methods**

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**SECTION 14. Transport Information**

14.1 **In Accordance with DOT**

Not regulated for transport.

14.2 **In Accordance with IMDG**

Not regulated for transport.

14.3 **In Accordance with IATA**

Not regulated for transport.

14.4 **In Accordance with TDG**

Not regulated for transport.
Not regulated for transport.

### SECTION 15. Regulatory Information

#### 15.1 US Federal Regulations

**DAI ELISA Conjugate**

| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

**2-Methyl-3-isothiazolone (2682-20-4)**

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>S – S – indicates a substance that is identified in a proposed or final Significant New Uses Rule.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
<td>Immediate (acute) health hazard</td>
</tr>
</tbody>
</table>

#### Glycerin (56-81-5)

| EPA TSCA Regulatory Flag | Y2 – Y2 – indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |

**Listed on the United States TSCA (Toxic Substances Control Act) inventory**

<table>
<thead>
<tr>
<th><strong>DAI ELISA Conjugate</strong></th>
<th><strong>WHMIS Classification</strong></th>
<th>Class D Division 2 Subdivision B - Toxic material causing other toxic effects</th>
</tr>
</thead>
</table>

**2-Methyl-3-isothiazolone (2682-20-4)**

| WHMIS Classification | Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects  
|----------------------|---------------------------------------------------------------------|
|                      | Class D Division 2 Subdivision B - Toxic material causing other toxic effects  
|                      | Class E - Corrosive Material                                        |

**Listed on the Canadian DSL (Domestic Substances List)**

<table>
<thead>
<tr>
<th><strong>Glycerin (56-81-5)</strong></th>
<th><strong>WHMIS Classification</strong></th>
<th>Uncontrolled product according to WHMIS classification criteria</th>
</tr>
</thead>
</table>

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

#### 15.2 US State Regulations

**Glycerin (56-81-5)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

#### 15.3 Canadian Regulations

**DAI ELISA Conjugate**

<table>
<thead>
<tr>
<th><strong>WHMIS Classification</strong></th>
<th><strong>Class D Division 2 Subdivision B - Toxic material causing other toxic effects</strong></th>
</tr>
</thead>
</table>

**2-Methyl-3-isothiazolone (2682-20-4)**

| **WHMIS Classification** | **Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects**  
|--------------------------|---------------------------------------------------------------------|
|                          | **Class D Division 2 Subdivision B - Toxic material causing other toxic effects**  
|                          | **Class E - Corrosive Material**                                    |

**Glycerin (56-81-5)**

<table>
<thead>
<tr>
<th><strong>WHMIS Classification</strong></th>
<th>Uncontrolled product according to WHMIS classification criteria</th>
</tr>
</thead>
</table>

**SECTION 16. Other information**
Revision Date: 09/22/2015
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:
- Acute Tox. 3 (Dermal) Acute toxicity (dermal) Category 3
- Acute Tox. 3 (Inhalation: dust, mist) Acute toxicity (inhalation: dust, mist) Category 3
- Acute Tox. 3 (Oral) Acute toxicity (oral) Category 3
- Aquatic Acute 1 Hazardous to the aquatic environment - Acute Hazard Category 1
- Eye Dam. 1 Serious eye damage/eye irritation Category 1
- Skin Corr. 1B Skin corrosion/irritation Category 1B
- Skin Sens. 1 Skin sensitization Category 1
- STOT SE 3 Specific target organ toxicity (single exposure) Category 3
- H301 Toxic if swallowed
- H311 Toxic in contact with skin
- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H331 Toxic if inhaled
- H335 May cause respiratory irritation
- H400 Very toxic to aquatic life

Party Responsible for the Preparation of This Document
Diagnostic Automation Inc. 818-591-3030

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
# Wash Buffer

## SECTION 1. Company Identification

<table>
<thead>
<tr>
<th>Product name:</th>
<th>TPO IgG ELISA Wash Buffer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog No.:</td>
<td>1446-2</td>
</tr>
<tr>
<td>Synonyms:</td>
<td>N/A</td>
</tr>
<tr>
<td>Intended Use:</td>
<td>Diagnostic test component</td>
</tr>
<tr>
<td>Kit Storage</td>
<td>2-8°C</td>
</tr>
</tbody>
</table>

**Company:** Diagnostic Automation Inc.

**Address:**
21250 Califa St, Suite 102 & 116,
Woodland Hills, CA 91367, USA.

**Website:** [www.rapidtest.com](http://www.rapidtest.com)

**Phone:** 818-591-3030

**Fax:** 818-591-8383

**E-mail:** onestep@rapidtest.com

**Emergency phone:** Contact your local Emergency Health Provider.

## SECTION 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification (GHS-US)**

Not classified.

### 2.2 Label elements

**GHS-US Labeling**

No labeling applicable

### 2.3 Other hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

### 2.4 Unknown Acute Toxicity (GHS-US)

No data available.

## SECTION 3. Composition and Ingredients Information

### 3.1 Substances

Not applicable

### 3.2 Mixture

**DAI ELISA Wash Buffer**

This mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

## SECTION 4. First Aid Measures

### 4.1 Description of first aid measures

<table>
<thead>
<tr>
<th>General:</th>
<th>Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation:</td>
<td>Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.</td>
</tr>
<tr>
<td>Skin contact:</td>
<td>Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.</td>
</tr>
</tbody>
</table>
Eye contact: Rinse with plenty of water immediately. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion: Do NOT induce vomiting. Rinse mouth. Call a poison center or doctor if you feel unwell.

4.2 **Most Important Symptoms and Effects (both acute and delayed)**

<table>
<thead>
<tr>
<th>General</th>
<th>Not expected to present a significant hazard under anticipated conditions of normal use.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Overexposure may be irritating to the respiratory system.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Contact during a long period may cause slight irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Direct contact with the eyes is likely irritating.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Ingestion of large quantities is likely to be harmful or have adverse effects.</td>
</tr>
<tr>
<td>Chronic Symptoms</td>
<td>None expected under normal conditions of use.</td>
</tr>
</tbody>
</table>

4.3 **Indication of any Immediate Medical Attention and Special Treatment needed**
If you feel unwell, get medical advice (show the label where possible).

**SECTION 5.**

**Firefighting measures**

5.1 **Extinguishing media**

*Suitable extinguishing media*: Use extinguishing media appropriate to the surrounding fire.
*Unsuitable extinguishing media*: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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

<table>
<thead>
<tr>
<th>Fire hazard</th>
<th>Not considered flammable but may burn at high temperatures.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion</td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Hazardous reactions will not occur under normal conditions.</td>
</tr>
</tbody>
</table>

5.3 **Advice for firefighters**

**Precautionary Measures:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
**Firefighting instructions:** Use water spray or fog for cooling exposed containers.
**Protection:** Do not enter fire area without proper protective equipment, including respiratory protection.
**Hazardous Combustion Products:** Thermal decomposition generates: oxides of phosphorus, sodium oxide.

5.4 **Reference to other Sections**
Refer to section 9 for flammability properties.

**SECTION 6.**

**Accidental release measures**

6.1 **Personal precautions, protective equipment and emergency procedures**
Avoid all unnecessary exposure.

6.1.1 **For Non-Emergency Personnel**

<table>
<thead>
<tr>
<th>Protective Equipment</th>
<th>Use appropriate personal protection equipment (PPE).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Procedures</td>
<td>Evacuate unnecessary personnel.</td>
</tr>
</tbody>
</table>

6.1.2 **For Emergency Personnel**

<table>
<thead>
<tr>
<th>Protective Equipment</th>
<th>Equip cleanup crew with proper protection.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Procedures</td>
<td>Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.</td>
</tr>
</tbody>
</table>

6.2 **Environmental precautions**
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 **Methods and material for containment and cleaning up**
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

6.4 Reference to other Sections
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.


7.3 Specific End Use(s)
Diagnostic Test component.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.2 Exposure controls

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Ensure adequate ventilation of the working area, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Protective equipment</td>
<td>Not generally required. The use of personal protective equipment may be necessary as conditions warrant.</td>
</tr>
<tr>
<td>Materials for Protective Clothing</td>
<td>Chemically resistant materials and fabrics.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>In case of repeated or prolonged contact wear gloves.</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>In case of splash hazard: chemical goggles or safety glasses.</td>
</tr>
<tr>
<td>Skin and Body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td>Do not allow the product to be released into the environment.</td>
</tr>
<tr>
<td>Consumer Exposure controls</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Flash Point : Not available
Auto-ignition Temperature : Not available
Decomposition Temperature : Not available
Flammability (solid, gas) : Not available
Lower Flammable Limit : Not available
Upper Flammable Limit : Not available
Vapor Pressure : Not available
Relative Vapor Density at 20 °C : Not available
Relative Density : Not available
Specific Gravity : Not available
Solubility : Not available
Partition Coefficient: N-Octanol/Water : Not available
Viscosity : Not available

Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge : Not expected to present an explosion hazard due to static discharge.

SECTION 10. Stability and Reactivity

10.1 Reactivity
Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

10.4 Conditions to Avoid
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 Incompatible Materials
Strong acids, strong bases, strong oxidizers.

10.6 Hazardous Decomposition Products
Thermal decomposition generates: oxides of phosphorus, sodium oxide.

SECTION 11. Toxicology Information

11.1 Toxicological information
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified

Symptoms/Injuries after Inhalation: Overexposure may be irritating to the respiratory system.
Symptoms/Injuries after Skin Contact: Contact during a long period may cause slight irritation.
Symptoms/Injuries after Eye Contact: Direct contact with the eyes is likely irritating.
Symptoms/Injuries after Ingestion: Ingestion of large quantities is likely to be harmful or have adverse effects.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 12. Ecological Information

12.1 Toxicity
Not available.

12.2 Persistence and Degradability
Not available.

12.3 Bioaccumulative Potential
Not available

12.4 Mobility in Soil
Not available

12.5 Other Adverse Effects
Other information: Avoid release to the environment.

SECTION 13. Disposal Considerations

13.1 Waste Treatment Methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14. Transport Information

14.1 In Accordance with DOT
Not regulated for transport.

14.2 In Accordance with IMDG
Not regulated for transport.

14.3 In Accordance with IATA
Not regulated for transport.

14.4 In Accordance with TDG
Not regulated for transport.

SECTION 15. Regulatory Information

15.1 US Federal Regulations
Neither this product nor its chemical components appear on any US federal lists.

15.2 US State Regulations
Neither this product nor its chemical components appear on any US federal lists.

15.3 Canadian Regulations

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
<th>Uncontrolled product according to WHMIS classification criteria</th>
</tr>
</thead>
</table>

ELISA Wash Buffer
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

<table>
<thead>
<tr>
<th>SECTION 16.</th>
<th>Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revision Date</strong></td>
<td>09/22/2015</td>
</tr>
<tr>
<td><strong>Other Information</strong></td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
</tr>
</tbody>
</table>

Party Responsible for the Preparation of This Document
Diagnostic Automation Inc. 818-591-3030

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
ELISA TMB Substrate

SECTION 1. Company Identification

Product name: TPO IgG ELISA TMB Substrate
Catalog No.: 1446-2
Synonyms: N/A
Intended Use: Diagnostic test component
Product description: ELISA-based Diagnostic Kit
Storage: 2-8°C

Company: Diagnostic Automation Inc.
Address: 21250 Califa St, Suite 102 & 116, Woodland Hills, CA 91367, USA.
Website: www.rapidtest.com
Phone: 818-591-3030
Fax: 818-591-8383
E-mail: onestep@rapidtest.com

Emergency phone: Contact your local Emergency Health Provider.

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification (GHS-US)
- Skin Irrit. 2 H315
- Eye Irrit. 2A H319
- STOT SE 3 H335

Full text of H-Phrases: see Section 16

2.2 Label elements

GHS-US Labeling
Hazard Pictograms (GHS-US)

Signal Word (GHS-US): Warning
Precautionary Statements (GHS-US): P261 – Avoid breathing vapors, mist, or spray.
P272 – Contaminated work clothing must not be allowed out of the workplace.
P280 – Wear protective gloves, protective clothing, and eye protection.
P302+P352 – If on skin: Wash with plenty of water.
P321 – Specific treatment (see section 4 on this SDS).
P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 – Take off contaminated clothing and wash it before reuse.
P501 – Dispose of contents/container in accordance with local, national, and international regulations.

2.3 Other hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4 Unknown Acute Toxicity (GHS-US)
No data available.
SECTION 3. Composition and Ingredients Information

3.1 Substances
Not applicable

3.2 Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>30</td>
<td>Not classified</td>
</tr>
<tr>
<td>2-Methyl-3-isothiazolone</td>
<td>2682-20-4</td>
<td>0.1</td>
<td>Acute Tox. 3 (Oral), H301</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3 (Dermal), H311</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3 (Inhalation: dust, mist), H331</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16.

SECTION 4. First Aid Measures

4.1 Description of first aid measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin contact: Wash affected area with soap and water for at least 15 minutes. Should skin irritation, allergic reaction, or rash occur, remove contaminated clothing (if required) and seek medical advice.

Eye contact: Rinse cautiously with water immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Do NOT induce vomiting. Rinse mouth. Call a poison center or doctor if large amount ingested.

4.2 Most Important Symptoms and Effects (both acute and delayed)

General: May cause an allergic skin reaction.

Inhalation: Irritation of the respiratory tract and the other mucous membranes.

Skin contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Eye contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

4.3 Indication of any Immediate Medical Attention and Special Treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Not considered flammable but may burn at high temperatures.

Explosion hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.
5.3 **Advice for firefighters**
- **Precautionary Measures:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
- **Firefighting instructions:** Use water spray or fog for cooling exposed containers.
- **Protection:** Do not enter fire area without proper protective equipment, including respiratory protection.
- **Hazardous combustion products:** Irritating toxic fumes and gases, oxides of carbon and nitrogen.

5.4 **Reference to other Sections**
Refer to section 9 for flammability properties.

### SECTION 6. Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**
Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

6.1.1 **For Non-Emergency Personnel**
- **Protective Equipment:** Use appropriate personal protection equipment (PPE).
- **Emergency Procedures:** Evacuate unnecessary personnel.

6.1.2 **For Emergency Personnel**
- **Protective Equipment:** Equip cleanup crew with proper protection.
- **Emergency Procedures:** Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 **Environmental precautions**
Prevent entry to sewers and public waters.

6.3 **Methods and material for containment and cleaning up**
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

6.4 **Reference to other Sections**
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

### SECTION 7. Handling and Storage

7.1 **Precautions for safe handling**
**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid breathing vapors, mist, and spray. Avoid contact with skin, eyes and clothing. Avoid contact with eyes, skin and clothing.
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 **Conditions for safe storage, including any incompatibilities**
Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.


7.3 **Specific End Use(s)**
Diagnostic Test component.
### SECTION 8. Exposure controls/personal protection

#### 8.1 Control parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

#### 8.2 Exposure controls

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Ensure adequate ventilation of the working area, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Protective equipment</td>
<td>Gloves. Protective clothing. Protective goggles.</td>
</tr>
<tr>
<td>Materials for Protective Clothing</td>
<td>Chemically resistant materials and fabrics.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Protective gloves.</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>Chemical safety goggles.</td>
</tr>
<tr>
<td>Skin and Body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.</td>
</tr>
<tr>
<td>Consumer Exposure controls</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

### SECTION 9. Physical and Chemical Properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear to light yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>3.5 – 3.9</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.01</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Aqueous</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
</tbody>
</table>
SECTION 10. Stability and Reactivity

10.1 Reactivity
Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

10.4 Conditions to Avoid
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 Incompatible Materials
Strong acids, strong bases, strong oxidizers. Metals.

10.6 Hazardous Decomposition Products
Irritating toxic fumes and gases, oxides of carbon and nitrogen.

SECTION 11. Toxicology Information

11.1 Toxicological information
Acute toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Causes skin irritation
pH: 3.5 – 3.9
Serious Eye Damage/Irritation: Causes serious eye irritation
pH: 3.5 – 3.9
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: May cause cancer.
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation
Aspiration Hazard: Not classified
Symptoms/Injuries after Inhalation: Irritation of the respiratory tract and the other mucous membranes.
Symptoms/Injuries after Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries after Eye Contact: Contact causes severe irritation with redness and swelling of conjunctiva.
Symptoms/Injuries after Ingestion: Ingestion may cause adverse effects.

11.2 Information on Toxicological Effects – Ingredient(s)
LD50 and LC50 Data: Not available

SECTION 12. Ecological Information

12.1 Toxicity
Ecology – General: not classified.

12.2 Persistence and Degradability
<table>
<thead>
<tr>
<th>DAI ELISA TMB Substrate</th>
<th>Persistence and Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not established.</td>
</tr>
</tbody>
</table>
12.3 **Bioaccumulative Potential**

| DAI ELISA TMB Substrate | Bioaccumulative Potential | Not established. |

12.4 **Mobility in Soil**
Not available

12.5 **Other Adverse Effects**
Other information: Avoid release to the environment.

### SECTION 13. Disposal Considerations

13.1 **Waste Treatment Methods**
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

13.2 **Additional Information**
Container may remain hazardous when empty. Continue to observe all precautions.


### SECTION 14. Transport Information

14.1 **In Accordance with DOT**
Not regulated for transport.

14.2 **In Accordance with IMDG**
Not regulated for transport.

14.3 **In Accordance with IATA**
Not regulated for transport.

14.4 **In Accordance with TDG**
Not regulated for transport.

### SECTION 15. Regulatory Information

15.1 **US Federal Regulations**

| DAI ELISA TMB Substrate | SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

- **Water (7732-18-5)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

  - **[1,1’-Biphenyl]-4,4’-diamine, 3,3’,5,5’-tetramethylbenzidine (54827-17-7)**
    - Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 **US State Regulations**
Neither this product nor its chemical components appear on any US state lists.
15.3 **Canadian Regulations**

<table>
<thead>
<tr>
<th>DAI ELISA TMB Substrate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WHMIS Classification</strong></td>
<td>Class D Division 2 Subdivision B – Toxic material causing other toxic effects</td>
</tr>
<tr>
<td></td>
<td>Class D Division 2 Subdivision A – Very Toxic material causing other toxic effects</td>
</tr>
</tbody>
</table>

---

**Water (7732-18-5)**

Listed on the Canadian DSL (Domestic Substances List)

| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

**[1,1'-Biphenyl]-4,4'-diamine, 3,3',5,5'-tetramethylbenzidine (54827-17-7)**

Listed on the Canadian DSL (Domestic Substances List)

| WHMIS Classification | Class D Division 2 Subdivision B – Toxic material causing other toxic effects |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16. Other information

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>12/18/2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Information</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
</tr>
</tbody>
</table>

**GHS Full Text Phrases:**

- **Eye Irrit. 2A**
  - Serious eye damage/eye irritation Category 2A

- **Skin Irrit. 2**
  - Skin corrosion/irritation Category 2

- **STOT SE 3**
  - Specific target organ toxicity (single exposure) Category 3

- **H315**
  - Causes skin irritation

- **H319**
  - Causes serious eye irritation

- **H335**
  - May cause respiratory irritation

---

Party Responsible for the Preparation of This Document

Diagnostic Automation Inc. 818-591-3030

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*
ELISA Stop Solution

SECTION 1. Company Identification

Product name: TPO IgG ELISA Stop Solution
Catalog No.: 1446-2
Synonyms: N/A
Intended Use: Diagnostic test component
Product description: ELISA-based Diagnostic Kit
Storage: 2-8°C

Company: Diagnostic Automation Inc.
Address: 21250 Califa St, Suite 102 & 116, Woodland Hills, CA 91367, USA.
Website: www.rapidtest.com
Phone: 818-591-3030
Fax: 818-591-8383
E-mail: onestep@rapidtest.com

Emergency phone: Contact your local Emergency Health Provider.

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture
Classification (GHS-US)
Skin Irrit. 2 H315
Eye Irritl. 2A H319

Full text of H-Phrases: see Section 16

2.2 Label elements

GHS-US Labeling
Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : Warning
Hazard Statements (GHS-US) :
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.

Precautionary Statements (GHS-US) :
P264 – Wash hands, forearms, and other exposed areas thoroughly after handling.
P280 – Wear protective gloves, protective clothing, and eye protection.
P302+P352 – If on skin: Wash with plenty of water.
P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 – Specific treatment (see section 4 on this SDS).
P332+P313 – If skin irritation occurs: Get medical advice/attention.
P337+P313 – If eye irritation persists: Get medical advice/attention.
P362 – Take off contaminated clothing and wash it before reuse.

2.3 Other hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.
2.4 Unknown Acute Toxicity (GHS-US)
No data available.

SECTION 3. Composition and Ingredients Information

3.1 Substances
Not applicable

3.2 Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric acid</td>
<td>7647-01-0</td>
<td>5.9</td>
<td>Met. Corr. 1, H290</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 2, H401</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>7664-93-9</td>
<td>5.7</td>
<td>Skin Corr. 1A, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carc. 1A, H350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 3, H402</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16.

SECTION 4. First Aid Measures

4.1 Description of first aid measures

| General: | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). |
| Inhalation: | Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists. |
| Skin contact: | Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention if irritation develops or persists. |
| Eye contact: | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention. |
| Ingestion: | Do NOT induce vomiting. Rinse mouth. Call a poison center or doctor if large amount ingested. |

4.2 Most Important Symptoms and Effects (both acute and delayed)

| General: | Causes serious eye irritation. Causes skin irritation. |
| Inhalation: | May cause respiratory irritation. |
| Skin contact: | Causes skin irritation. Redness, pain, swelling, itching, burning, dryness, and dermatitis. |
| Eye contact: | Causes serious eye irritation. Redness, pain, swelling, itching, burning, tearing, and blurred vision. |
| Ingestion: | Ingestion of large quantities may be harmful or have adverse effects. |
| Chronic Symptoms: | None expected under normal conditions of use. |

4.3 Indication of any Immediate Medical Attention and Special Treatment needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire. Application of water stream to hot product may cause frothing and increase.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Not considered flammable but may burn at high temperatures.

Explosion hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for firefighters
Precautionary Measures: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
Firefighting instructions: Use water spray or fog for cooling exposed containers.
Protection: Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous combustion products: Irritating toxic fumes and gases, oxides of carbon and nitrogen.

5.4 Reference to other Sections
Refer to section 9 for flammability properties.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

6.1.1 For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental precautions
Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

6.4 Reference to other Sections
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling
Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid breathing vapors, mist, and spray. Avoid contact with skin, eyes and clothing. Avoid contact with eyes, skin and clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.


7.3 Specific End Use(s)
Diagnostic Test component.
SECTION 8. Exposure controls/personal protection

8.1 Control parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.2 Exposure controls

<table>
<thead>
<tr>
<th>Control parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate engineering controls</td>
<td>Ensure adequate ventilation of the working area, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.</td>
</tr>
<tr>
<td>Personal Protective equipment</td>
<td>Gloves. Protective clothing. Protective goggles.</td>
</tr>
<tr>
<td>Materials for Protective Clothing</td>
<td>Chemically resistant materials and fabrics.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Protective gloves.</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>Chemical safety goggles.</td>
</tr>
<tr>
<td>Skin and Body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.</td>
</tr>
<tr>
<td>Consumer Exposure controls</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear to light yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>3.5 – 3.9</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.01</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Aqueous</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
</tbody>
</table>
SECTION 10. Stability and Reactivity

10.1 Reactivity
Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

10.4 Conditions to Avoid
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 Incompatible Materials
Strong acids, strong bases, strong oxidizers. Metals.

10.6 Hazardous Decomposition Products
Irritating toxic fumes and gases, oxides of carbon and nitrogen.

SECTION 11. Toxicology Information

11.1 Toxicological information
Acute toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Causes skin irritation
pH: 3.5 – 3.9
Serious Eye Damage/Irritation: Causes serious eye irritation
pH: 3.5 – 3.9
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: May cause cancer.
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation
Aspiration Hazard: Not classified
Symptoms/Injuries after Inhalation: Irritation of the respiratory tract and the other mucous membranes.
Symptoms/Injuries after Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries after Eye Contact: Contact causes severe irritation with redness and swelling of conjunctiva.
Symptoms/Injuries after Ingestion: Ingestion may cause adverse effects.

11.2 Information on Toxicological Effects – Ingredient(s)
LD50 and LC50 Data: Not available

SECTION 12. Ecological Information

12.1 Toxicity
Ecology – General: not classified.

12.2 Persistence and Degradability

<table>
<thead>
<tr>
<th>DAI ELISA TMB Substrate</th>
<th>Persistence and Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not established.</td>
</tr>
</tbody>
</table>
12.3 **Bioaccumulative Potential**

| DAI ELISA TMB Substrate | Bioaccumulative Potential | Not established. |

12.4 **Mobility in Soil**

Not available

12.5 **Other Adverse Effects**

Other information: Avoid release to the environment.

**SECTION 13. Disposal Considerations**

13.1 **Waste Treatment Methods**

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

13.2 **Additional Information**

Container may remain hazardous when empty. Continue to observe all precautions.


**SECTION 14. Transport Information**

14.1 **In Accordance with DOT**

Not regulated for transport.

14.2 **In Accordance with IMDG**

Not regulated for transport.

14.3 **In Accordance with IATA**

Not regulated for transport.

14.4 **In Accordance with TDG**

Not regulated for transport.

**SECTION 15. Regulatory Information**

15.1 **US Federal Regulations**

| DAI ELISA TMB Substrate | SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

**Water (7732-18-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**[1,1’-Biphenyl]-4,4’-diamine, 3,3’,5,5’-tetramethylbenzidine (54827-17-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 **US State Regulations**

Neither this product nor its chemical components appear on any US state lists.
15.3 **Canadian Regulations**

<table>
<thead>
<tr>
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- WHMIS Classification: Uncontrolled product according to WHMIS classification criteria

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**SECTION 16. Other information**

| **Revision Date** | : 12/18/2015 |
| **Other Information** | : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. |

**GHS Full Text Phrases:**

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- **H315**: Causes skin irritation
- **H319**: Causes serious eye irritation
- **H335**: May cause respiratory irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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