Material Safety Data Sheet

ANA Hep-2 IFA (10 or 25 slides)
Evans Blue Counterstain optional

IFA Positive and Negative Controls

SECTION 1. Company Identification

Product name: ANA Hep-2 IFA Positive and Negative Controls
Catalog No.: 231005D, 231005DE, 230512D, 230512DE
Synonyms: N/A
Intended Use: Diagnostic test component

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>0.1</td>
<td>Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 STOT RE 2, H373 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: | 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.  
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).  

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.

<p>|          | USA ACGIH Ceiling (mg/m³) | USA ACGIH Ceiling (ppm) | USA ACGIH chemical category | USA NIOSH NIOSH REL (ceiling) (mg/m³) | USA NIOSH NIOSH REL (ceiling) (ppm) | Alberta OEL Ceiling (mg/m³) | Alberta OEL Ceiling (ppm) | Alberta OEL STEL (mg/m³) | Alberta OEL Ceiling (ppm) | British Columbia OEL Ceiling (mg/m³) | British Columbia OEL Ceiling (ppm) | Manitoba OEL Ceiling (mg/m³) | Manitoba OEL Ceiling (ppm) | New Brunswick OEL Ceiling (mg/m³) | New Brunswick OEL Ceiling (ppm) | Newfoundland &amp; Labrador OEL Ceiling (mg/m³) | Newfoundland &amp; Labrador OEL Ceiling (ppm) | Nova Scotia OEL Ceiling (mg/m³) | Nova Scotia OEL Ceiling (ppm) | Nunavut OEL Ceiling (mg/m³) | Nunavut OEL Ceiling (ppm) |
|----------|---------------------------|--------------------------|------------------------------|--------------------------------------|--------------------------------------|-------------------------------|----------------------------|-------------------------------|-------------------------------|------------------------------------------|------------------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|</p>
<table>
<thead>
<tr>
<th>Region</th>
<th>OEL Ceiling (mg/m³)</th>
<th>OEL Ceiling (ppm)</th>
</tr>
</thead>
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<tr>
<td>Northwest Territories</td>
<td>0.27 mg/m³</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Ontario</td>
<td>0.29 mg/m³</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>0.29 mg/m³</td>
<td>0.11 ppm (vapor)</td>
</tr>
<tr>
<td>Québec</td>
<td>0.3 mg/m³</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>0.29 mg/m³</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Yukon</td>
<td>0.3 mg/m³</td>
<td>0.1 ppm</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

<table>
<thead>
<tr>
<th>Exposure Controls</th>
<th>Controls</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>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>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<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>
<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>
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<td>Upper Flammable Limit</td>
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<tr>
<td>Vapor Pressure</td>
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<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>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
</tbody>
</table>
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
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 is not likely to 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>Sodium azide (26628-22-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
</tr>
</tbody>
</table>

SECTION 12.  Ecological Information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Sodium azide (26628-22-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
</tr>
<tr>
<td>LC50 Fish 2</td>
</tr>
</tbody>
</table>
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
Sodium azide (26628-22-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the United States SARA Section 302
Listed on United States SARA Section 313

| SARA Section 302 Threshold Planning Quantity (TPQ) | 500 (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form) |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
| | Delayed (chronic) health hazard |

15.2 US State Regulations
Sodium azide (26628-22-8)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List
15.3 **Canadian Regulations**

<table>
<thead>
<tr>
<th>IFA Positive and Negative Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
</tr>
</tbody>
</table>

**Sodium azide (26628-22-8)**
- Listed on the Canadian DSL (Domestic Substances List)
- Listed on the Canadian IDL (Ingredient Disclosure List)

<table>
<thead>
<tr>
<th>IDL Concentration 1 %</th>
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</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
</tr>
<tr>
<td>Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects</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.

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**SECTION 16. Other information**

**Revision Date**
- 06/11/2015

**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. 1 (Dermal) Acute toxicity (dermal) Category 1
- Acute Tox. 2 (Oral) Acute toxicity (oral) Category 2
- Aquatic Acute 1 Hazardous to the aquatic environment - Acute Hazard Category 1
- STOT RE 2 Specific target organ toxicity (repeated exposure) Category 2
- H300 Fatal if swallowed
- H310 Fatal in contact with skin
- H373 May cause damage to organs through prolonged or repeated exposure
- 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.*
IFA Conjugate with Evans Blue

SECTION 1. Company Identification

Product name: ANA Hep-2 IFA Conjugate with Evans Blue
Catalog No.: 231005D, 231005DE, 230512D, 230512DE
Synonyms: N/A
Intended Use: Diagnostic test component

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)
Carc. 1B H350
Full text of H-Phrases: see Section 16

2.2 Label elements

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

Signal Word (GHS-US): Danger
Precautionary Statements (GHS-US):
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing, and eye protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
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>Sodium azide</td>
<td>26628-22-8</td>
<td>0.1</td>
<td>Acute Tox. 2 (Oral), H300</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 1 (Dermal), H310</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2, H373</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>Direct Blue 53</td>
<td>314-13-6</td>
<td>0.1</td>
<td>Carc. 1B, H350</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. 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:**
May cause cancer.

**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:**
May cause cancer.

#### 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).

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></th>
<th>ACGIH Ceiling (mg/m³)</th>
<th>ACGIH Ceiling (ppm)</th>
<th>ACGIH chemical category</th>
<th>NIOSH REL (ceiling) (mg/m³)</th>
<th>NIOSH REL (ceiling) (ppm)</th>
<th>OEL Ceiling (mg/m³)</th>
<th>OEL Ceiling (ppm)</th>
<th>OEL STEL (mg/m³)</th>
<th>OEL Ceiling (mg/m³)</th>
<th>OEL Ceiling (ppm)</th>
<th>OEL Ceiling (ppm) (vapor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td></td>
<td>0.29 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH Ceiling (ppm)</td>
<td>0.11 ppm (vapor)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH chemical category</td>
<td>Not Classifiable as a Human Carcinogen</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>USA NIOSH</td>
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<td>0.11 ppm</td>
<td>0.11 ppm (vapor)</td>
</tr>
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<td>Alberta</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
<td>OEL Ceiling (ppm)</td>
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<td>0.11 ppm</td>
<td>0.11 ppm (vapor)</td>
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<tr>
<td>Alberta</td>
<td>OEL Ceiling (ppm)</td>
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<td></td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL Ceiling (mg/m³)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### New Brunswick
- OEL Ceiling (mg/m³): 0.29 mg/m³
- OEL Ceiling (ppm): 0.11 ppm (vapor)

### Newfoundland & Labrador
- OEL Ceiling (mg/m³): 0.29 mg/m³
- OEL Ceiling (ppm): 0.11 ppm (vapor)

### Nova Scotia
- OEL Ceiling (mg/m³): 0.29 mg/m³
- OEL Ceiling (ppm): 0.11 ppm (vapor)

### Nunavut
- OEL Ceiling (mg/m³): 0.27 mg/m³
- OEL Ceiling (ppm): 0.1 ppm

### Northwest Territories
- OEL Ceiling (mg/m³): 0.27 mg/m³
- OEL Ceiling (ppm): 0.1 ppm

### Ontario
- OEL Ceiling (mg/m³): 0.29 mg/m³
- OEL Ceiling (ppm): 0.11 ppm

### Prince Edward Island
- OEL Ceiling (mg/m³): 0.29 mg/m³
- OEL Ceiling (ppm): 0.11 ppm (vapor)

### Québec
- PLAFOND (mg/m³): 0.3 mg/m³
- PLAFOND (ppm): 0.11 ppm

### Saskatchewan
- OEL Ceiling (mg/m³): 0.29 mg/m³
- OEL Ceiling (ppm): 0.11 ppm

### Yukon
- OEL Ceiling (mg/m³): 0.3 mg/m³
- OEL Ceiling (ppm): 0.1 ppm

### 8.2 Exposure controls

| Appropriate engineering controls | 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. |
| Personal Protective equipment | Not generally required. The use of personal protective equipment may be necessary as conditions warrant. |
| Materials for Protective Clothing | Chemically resistant materials and fabrics. |
| Hand Protection | In case of repeated or prolonged contact wear gloves. |
| Eye/face protection | In case of splash hazard: chemical goggles or safety glasses. |
| Skin and Body protection | Wear suitable protective clothing. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. |
| Environmental exposure controls | Do not allow the product to be released into the environment. |
| Consumer Exposure controls | Do not eat, drink or smoke during use. |

### 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
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: 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: 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: May cause cancer.

11.2 Information on Toxicological Effects – Ingredient(s)
LD50 and LC50 Data:
Sodium azide (26628-22-8)
- LD50 Oral Rat: 27 mg/kg
- ATE US (dermal): 5.00 mg/kg body weight

Direct Blue 53 (314-13-6)
- IARC Group: 3

SECTION 12. Ecological Information

12.1 Toxicity

Sodium azide (26628-22-8)
- LC50 Fish 1: 0.8 mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss)
- LC50 Fish 2: 0.7 mg/l (Exposure time: 96h – Species: Lepomis macrochirus)

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
**Sodium azide (26628-22-8)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the United States SARA Section 302
Listed on United States SARA Section 313

<table>
<thead>
<tr>
<th><strong>SARA Section 302 Threshold Planning Quantity (TPQ)</strong></th>
<th>500 (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)</th>
</tr>
</thead>
</table>
| **SARA Section 311/312 Hazard Classes**                | Immediate (acute) health hazard
                                                        Delayed (chronic) health hazard |
| **SARA Section 313 - Emission Reporting**             | 1.0 % |

**Direct Blue 53 (314-13-6)**

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

15.2 **US State Regulations**

**Sodium azide (26628-22-8)**

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

15.3 **Canadian Regulations**

**IFA Conjugate with Evans Blue**

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

**Sodium azide (26628-22-8)**

Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List)

<table>
<thead>
<tr>
<th>IDL Concentration</th>
<th>1 %</th>
</tr>
</thead>
</table>

| WHMIS Classification | Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects |

**Direct Blue 53 (314-13-6)**

Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)

<table>
<thead>
<tr>
<th>IDL Concentration</th>
<th>1%</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.

**SECTION 16. Other information**

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>06/11/2015</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:**

- Acute Tox. 1 (Dermal) Acute toxicity (dermal) Category 1
- Acute Tox. 2 (Oral) Acute toxicity (oral) Category 2
- Aquatic Acute 1 Hazardous to the aquatic environment - Acute Hazard Category 1
- Carc. 1B Carcinogenicity Category 1B
- STOT RE 2 Specific target organ toxicity (repeated exposure) Category 2
- H300 Fatal if swallowed
- H310 Fatal in contact with skin
- H350 May cause cancer
- H373 May cause damage to organs through prolonged or repeated exposure
- H400 Very toxic to aquatic life
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.
IFA Sample Diluent

SECTION 1. Company Identification

Product name: ANA Hep-2 IFA Sample Diluent
Catalog No.: 231005D, 231005DE, 230512D, 230512DE
Synonyms: N/A
Intended Use: Diagnostic test component

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>0.1</td>
<td>Acute Tox. 2 (Oral), H300</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 1 (Dermal), H310</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2, H373</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: Rinse immediately with plenty of water. 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. Immediately call a poison center or doctor.

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.

Incompatible materials: Strong oxidizers. Water reactive 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>Location</th>
<th>ACGIH Ceiling (mg/m³)</th>
<th>ACGIH Ceiling (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>0.29 mg/m³</td>
<td>0.11 ppm (vapor)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH chemical category</td>
<td>Not Classifiable as a Human Carcinogen</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (mg/m³)</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (ppm)</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL STEL (mg/m³)</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm (vapor)</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm (vapor)</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm (vapor)</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm (vapor)</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.27 mg/m³</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL Ceiling (ppm)</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.27 mg/m³</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL Ceiling (ppm)</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm (vapor)</td>
</tr>
<tr>
<td>Québec</td>
<td>PLAFOND (mg/m³)</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td>Québec</td>
<td>PLAFOND (ppm)</td>
<td>0.11 ppm</td>
</tr>
</tbody>
</table>
### 8.2 Exposure controls

<table>
<thead>
<tr>
<th>Exposure controls</th>
<th>Details</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>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.</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>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<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>
<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>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not available</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 oxidizers. Water reactive materials.

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 (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.

11.2 Information on Toxicological Effects – Ingredient(s)
LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Oral Rat</th>
<th>ATE US (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>27 mg/kg</td>
<td>5.00 mg/kg body weight</td>
</tr>
</tbody>
</table>

SECTION 12. Ecological Information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Sodium azide</th>
<th>LC50 Fish 1</th>
<th>LC50 Fish 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.8 mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss)</td>
<td>0.7 mg/l (Exposure time: 96h – Species: Lepomis macrochirus)</td>
</tr>
</tbody>
</table>

12.2 Persistence and Degradability
Not available.

12.3 Bioaccumulative Potential
No additional information 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

**Sodium azide (26628-22-8)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on the United States SARA Section 302
- Listed on United States SARA Section 313

| SARA Section 302 Threshold Planning Quantity (TPQ) | 500 (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form) |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard Delayed (chronic) health hazard |
| SARA Section 313 - Emission Reporting | 1.0 % |

15.2 US State Regulations

**Sodium azide (26628-22-8)**
- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
- U.S. - Pennsylvania - RTK (Right to Know) List

15.3 Canadian Regulations

**IFA Sample Diluent**

| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
Sodium azide (26628-22-8)
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)

<table>
<thead>
<tr>
<th>IDL Concentration 1 %</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
<td>Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects</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

Revision Date : 05/19/2015
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. 1 (Dermal) : Acute toxicity (dermal) Category 1
Acute Tox. 2 (Oral) : Acute toxicity (oral) Category 2
Aquatic Acute 1 : Hazardous to the aquatic environment - Acute Hazard Category 1
Eye Irrit. 2A : Serious eye damage/eye irritation Category 2A
Skin Irrit. 2 : Skin corrosion/irritation Category 2
STOT RE 2 : Specific target organ toxicity (repeated exposure) Category 2
STOT RE 3 : Specific target organ toxicity (single exposure) Category 3
H300 : Fatal if swallowed
H310 : Fatal in contact with skin
H315 : Causes skin irritation
H319 : Causes serious eye irritation
H335 : May cause respiratory irritation
H373 : May cause damage to organs through prolonged or repeated exposure
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.
**IFA PBS**

**SECTION 1. Company Identification**

<table>
<thead>
<tr>
<th>Product name:</th>
<th>ANA Hep-2 IFA PBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog No.:</td>
<td>231005D, 231005DE, 230512D, 230512DE</td>
</tr>
<tr>
<td>Synonyms:</td>
<td>Typical IFA PBS Packets</td>
</tr>
<tr>
<td>Intended Use:</td>
<td>Diagnostic test component</td>
</tr>
<tr>
<td>Company:</td>
<td>Diagnostic Automation Inc.</td>
</tr>
<tr>
<td>Address:</td>
<td>21250 Califa St, Suite 102 &amp; 116, Woodland Hills, CA 91367, USA.</td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.rapidtest.com">www.rapidtest.com</a></td>
</tr>
<tr>
<td>Phone:</td>
<td>818-591-3030</td>
</tr>
<tr>
<td>Fax:</td>
<td>818-591-8383</td>
</tr>
<tr>
<td>E-mail:</td>
<td><a href="mailto:onestep@rapidtest.com">onestep@rapidtest.com</a></td>
</tr>
<tr>
<td>Emergency phone:</td>
<td>Contact your local Emergency Health Provider.</td>
</tr>
</tbody>
</table>

**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*

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: 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>
<tr>
<td>Eye contact:</td>
<td>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.</td>
</tr>
<tr>
<td>Ingestion:</td>
<td>Do NOT induce vomiting. Rinse mouth. Immediately call a poison center or doctor.</td>
</tr>
</tbody>
</table>
4.2 Most Important Symptoms and Effects (both acute and delayed)

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>Not expected to present a significant hazard under anticipated conditions of normal use.</td>
</tr>
<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 is not likely to be harmful or have adverse effects.</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

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>
</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.</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>
<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>
</tbody>
</table>
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

10.6 Hazardous Decomposition Products
Thermal decomposition generates: Sodium oxides. Oxides of phosphorus, irritating and toxic fumes and gases. May evolve chlorine gas when in contact with strong acids.

SECTION 11. Toxicology Information

11.1 Information on Toxicological Effects – Product
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 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
No additional information 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
No additional information available.

15.2 US State Regulations
No additional information available.

15.3 Canadian Regulations

<table>
<thead>
<tr>
<th>IFA PBS</th>
<th>WHMIS Classification</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.
SECTION 16. Other information

Revision Date : 05/19/2015
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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.
IFA Mounting Media

SECTION 1. Company Identification

Product name: ANA Hep-2 IFA Mounting Media
Catalog No.: 231005D, 231005DE, 230512D, 230512DE
Synonyms: Typical IFA Mounting Media
Intended Use: Diagnostic test component

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

<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>35</td>
<td>Not classified</td>
</tr>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>0.1</td>
<td>Acute Tox. 2 (Oral), H300</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 1 (Dermal), H310</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2, H373</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: 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. Immediately call a poison center or doctor.

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 is not 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

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). Combustion produces irritating gases and vapors. Decomposes on heating. This produces corrosive fumes of acrolein.

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.

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

| Location        | Mexico OEL TWA (mg/m³) | USA OSHA OSHA PEL (TWA) (mg/m³) | Alberta OEL TWA (mg/m³) | British Columbia OEL TWA (mg/m³) | New Brunswick OEL TWA (mg/m³) | Nunavut OEL STEL (mg/m³) | Nunavut OEL TWA (mg/m³) | Northwest Territories OEL STEL (mg/m³) | Ontario OEL TWA (mg/m³) | Québec VEMP (mg/m³) | Saskatchewan OEL STEL (mg/m³) | Saskatchewan OEL TWA (mg/m³) | Yukon OEL TWA (mg/m³) | USA ACGIH ACGIH Ceiling (mg/m³) | USA ACGIH ACGIH Ceiling (ppm) | USA ACGIH ACGIH chemical category | USA NIOSH NIOSH REL (ceiling) (mg/m³) | USA NIOSH NIOSH REL (ceiling) (ppm) | Alberta OEL Ceiling (mg/m³) | Alberta OEL Ceiling (ppm) | Alberta OEL STEL (mg/m³) |
|-----------------|-----------------------|---------------------------------|-------------------------|---------------------------------|-------------------------------|--------------------------|-------------------------|----------------------------------------|-------------------------|----------------------|-------------------------------|-----------------------------|--------------------------|-----------------------------|-------------------------------|--------------------------------|---------------------------|-------------------------|-------------------------|---------------------------|
| Mexico          | 10 mg/m³ (mist)       | 15 mg/m³ (mist, total particulate) | 10 mg/m³ (mist)         | 10 mg/m³ (mist)                 | 10 mg/m³ (mist)              | 20 mg/m³ (mist)           | 10 mg/m³ (mist)         | 20 mg/m³ (mist)                          | 10 mg/m³ (mist) | 10 mg/m³ (mist) | 20 mg/m³ (mist)           | 10 mg/m³ (mist)              | 30 mppcf (mist) | 0.29 mg/m³                     | 0.11 ppm (vapor)                 | Not Classifiable as a Human Carcinogen | 0.3 mg/m³                   | 0.1 ppm                 | 0.29 mg/m³               | 0.11 ppm                 | 0.3 mg/m³               |
### 8.2 Exposure controls

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></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>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.</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>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>
### 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**

10.6 **Hazardous Decomposition Products**
Thermal decomposition generates: Carbon oxides (CO, CO₂). Combustion produces irritating gases and vapors. Decomposes on heating. This produces corrosive fumes of acrolein.

### 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 is not likely to 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</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rabbit</th>
<th>LC50 Inhalation Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin (56-81-5)</td>
<td>27.2 g/kg</td>
<td>&gt; 10 g/kg</td>
<td>&gt; 570 mg/m$^3$ (Exposure time: 1h)</td>
</tr>
<tr>
<td>Sodium azide (26628-22-8)</td>
<td>27 mg/kg</td>
<td>5.00 mg/kg body weight</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12. Ecological Information

12.1 Toxicity

Glycerin (56-81-5)

| LC50 Fish 1          | 54000 (51000-57000) mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss [static]) |

Sodium azide (26628-22-8)

| LC50 Fish 1          | 0.8 mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss) |
| LC50 Fish 2          | 0.7 mg/l (Exposure time: 96h – Species: Lepomis macrochirus) |

12.2 Persistence and Degradability
Not available.

12.3 Bioaccumulative Potential

Glycerin (56-81-5)

| BCF Fish 1 | (no bioaccumulation) |
| Log Pow    | -1.76                |

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

<table>
<thead>
<tr>
<th><strong>Glycerin (56-81-5)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
<td></td>
</tr>
<tr>
<td><strong>EPA TSCA Regulatory Flag</strong></td>
<td><strong>Y2 - Y2</strong> - 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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sodium azide (26628-22-8)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
<td></td>
</tr>
<tr>
<td>Listed on the United States SARA Section 302</td>
<td></td>
</tr>
<tr>
<td>Listed on United States SARA Section 313</td>
<td></td>
</tr>
<tr>
<td><strong>SARA Section 302 Threshold Planning Quantity (TPQ)</strong></td>
<td><strong>500</strong> (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)</td>
</tr>
</tbody>
</table>
| **SARA Section 311/312 Hazard Classes** | Immediate (acute) health hazard  
Delayed (chronic) health hazard |
| **SARA Section 313 - Emission Reporting** | **1.0 %** |

### 15.2 US State Regulations

<table>
<thead>
<tr>
<th><strong>Glycerin (56-81-5)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - Massachusetts - Right To Know List</td>
<td></td>
</tr>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
<td></td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sodium azide (26628-22-8)</strong></th>
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</tr>
</thead>
<tbody>
<tr>
<td>U.S. - Massachusetts - Right To Know List</td>
<td></td>
</tr>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
<td></td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</td>
<td></td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
<td></td>
</tr>
</tbody>
</table>

### 15.3 Canadian Regulations

<table>
<thead>
<tr>
<th><strong>IFA Mounting Media</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WHMIS Classification</strong></td>
<td>Uncontrolled product according to WHMIS classification criteria</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Glycerin (56-81-5)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
<td></td>
</tr>
<tr>
<td><strong>WHMIS Classification</strong></td>
<td>Uncontrolled product according to WHMIS classification criteria</td>
</tr>
</tbody>
</table>

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<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
<td></td>
</tr>
<tr>
<td>Listed on the Canadian IDL (Ingredient Disclosure List)</td>
<td></td>
</tr>
<tr>
<td><strong>IDL Concentration 1 %</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WHMIS Classification</strong></td>
<td>Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects</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

Revision Date : 05/19/2015
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. 1 (Dermal) Acute toxicity (dermal) Category 1
Acute Tox. 2 (Oral) Acute toxicity (oral) Category 2
Acute Tox. 3 (Dermal) Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation) Acute toxicity (inhalation) 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 RE 2 Specific target organ toxicity (repeated exposure) Category 2
STOT RE 3 Specific target organ toxicity (single exposure) Category 3
H300 Fatal if swallowed
H301 Toxic if swallowed
H310 Fatal in contact with skin
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
H373 May cause damage to organs through prolonged or repeated exposure
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.