Material Safety Data Sheet

Amplification Reagent

1. Product and company identification

Product name: Amplification Reagent
Used in: APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3 ASR 302247, PSA ASR 302250.

Material uses: In vitro diagnostic.
Supplier/Manufacturer: Gen-Probe Incorporated
10210 Genetic Center Drive
San Diego, CA 92121-4362
MSDS #: 0025
In case of emergency: CANUTEC (613) 996-6666
CHEMTREC, U.S.: (800) 424-9300 International: (703) 527-3887

2. Hazards identification

Physical state: Solid.
OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Emergency overview: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Potential acute health effects
- Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Ingestion: No known significant effects or critical hazards.
- Skin: No known significant effects or critical hazards.
- Eyes: No known significant effects or critical hazards.

Potential chronic health effects
- Chronic effects: No known significant effects or critical hazards.
- Carcinogenicity: No known significant effects or critical hazards.
- Mutagenicity: No known significant effects or critical hazards.
- Teratogenicity: No known significant effects or critical hazards.
- Developmental effects: No known significant effects or critical hazards.
- Fertility effects: No known significant effects or critical hazards.

Over-exposure signs/symptoms
- Inhalation: No specific data.
- Ingestion: No specific data.
- Skin: No specific data.
- Eyes: No specific data.

Medical conditions aggravated by over-exposure: None known.

See toxicological information (section 11)
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

**Eye contact**
- Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact**
- Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation**
- If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion**
- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Protection of first-aiders**
- No action shall be taken involving any personal risk or without suitable training.

**Notes to physician**
- In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-fighting measures

**Flammability of the product**
- Non-flammable.

**Extinguishing media**
- Use an extinguishing agent suitable for the surrounding fire.
- None known.

**Hazardous thermal decomposition products**
- Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - nitrogen oxides
  - sulfur oxides

**Special protective equipment for fire-fighters**
- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

**Personal precautions**
- No action shall be taken involving any personal risk or without suitable training.
- Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**
- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**
- Small spill
  - Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
6. Accidental release measures

Large spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminant. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes: Safety glasses.
Skin: Lab coat.
Respiratory: A respirator is not needed under normal and intended conditions of product use.
Hands: Disposable vinyl gloves.

Personal protective equipment (Pictograms): [Image of pictograms for personal protective equipment]

HMIS Code/Personal protective equipment: A

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Date of issue: 01/15/2008
9. Physical and chemical properties

Physical state: Solid.
Color: White to off-white.
pH: 7.7

10. Stability and reactivity

Stability: The product is stable.
Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid: No specific data.
Materials to avoid: No specific data.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity
Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Eyes: No known significant effects or critical hazards.

12. Ecological information

Environmental effects: No known significant effects or critical hazards.
Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.
Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

AERG: Not applicable.
Regulatory information
DOT/ TDG / IMDG/ IATA: Not regulated.

Date of issue: 01/15/2008
## 15. Regulatory information

### United States

<table>
<thead>
<tr>
<th>HCS Classification</th>
<th>:</th>
<th>United States inventory (TSCA 8b): Not determined.</th>
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<tbody>
<tr>
<td>U.S. Federal regulations</td>
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<td>SARA 302/304/311/312 extremely hazardous substances: No products were found.</td>
</tr>
<tr>
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<td>SARA 302/304 emergency planning and notification: No products were found.</td>
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<td>SARA 302/304/311/312 hazardous chemicals: No products were found.</td>
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<td>Clean Water Act (CWA) 311: Sodium hydroxide</td>
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<td>Clean Air Act (CAA) 112 accidental release prevention: No products were found.</td>
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<td>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.</td>
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<tr>
<td>State regulations</td>
<td>:</td>
<td>Connecticut Carcinogen Reporting: None of the components are listed.</td>
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<tr>
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<td></td>
<td>Florida substances: None of the components are listed.</td>
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<tr>
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<td>Louisiana Reporting: None of the components are listed.</td>
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<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
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<td>Michigan Critical Material: None of the components are listed.</td>
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<td>New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.</td>
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<td>New York Acutely Hazardous Substances: None of the components are listed.</td>
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<td>New York Toxic Chemical Release Reporting: None of the components are listed.</td>
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<td>Pennsylvania RTK Hazardous Substances: None of the components are listed.</td>
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<td>Rhode Island Hazardous Substances: None of the components are listed.</td>
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### Canada

<table>
<thead>
<tr>
<th>WHMIS (Canada)</th>
<th>:</th>
<th>Not controlled under WHMIS (Canada).</th>
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<tbody>
<tr>
<td>Canadian lists</td>
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<td>CEPA Toxic substances: None of the components are listed.</td>
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<td></td>
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<td>Canadian ARET: None of the components are listed.</td>
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<td></td>
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<td>Canadian NPRI: None of the components are listed.</td>
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<td></td>
<td>Alberta Designated Substances: None of the components are listed.</td>
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<tr>
<td></td>
<td></td>
<td>Ontario Designated Substances: None of the components are listed.</td>
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<tr>
<td></td>
<td></td>
<td>Quebec Designated Substances: None of the components are listed.</td>
</tr>
<tr>
<td>Canada inventory</td>
<td>:</td>
<td>Canada inventory: All components listed.</td>
</tr>
</tbody>
</table>

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

### International regulations

| International lists | | This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969). |

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**Date of issue**: 01/15/2008

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16. Other information

Label requirements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>Health</th>
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<tbody>
<tr>
<td>Fire hazard</td>
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</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal protection</td>
<td>A</td>
</tr>
</tbody>
</table>

HAZARD RATINGS

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

<table>
<thead>
<tr>
<th>Health</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
<tr>
<td>Special</td>
<td></td>
</tr>
</tbody>
</table>

References:


Date of issue: 01/15/2008
Date of previous issue: 08/31/2007
Version: 1.2

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Material Safety Data Sheet
Amplification Reconstitution Solution

1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Amplification Reconstitution Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in</td>
<td>APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3 ASR 302500; PSA ASR 302501.</td>
</tr>
<tr>
<td>Material uses</td>
<td>In vitro diagnostic.</td>
</tr>
<tr>
<td>Supplier/Manufacturer</td>
<td>Gen-Probe Incorporated</td>
</tr>
<tr>
<td></td>
<td>10210 Genetic Center Drive</td>
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<td>San Diego, CA 92121-4362</td>
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<td></td>
<td>CHEMTREC, U.S. : (800) 424-9300</td>
</tr>
<tr>
<td></td>
<td>International: (703) 527-3887</td>
</tr>
</tbody>
</table>

2. Hazards identification

| Physical state       | Liquid.                                |
| OSHA/HCS status      | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product. |
| Emergency overview   | NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED. No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing. |
| Potential acute health effects |
| Inhalation           | Slightly irritating to the respiratory system. |
| Ingestion            | No known significant effects or critical hazards. |
| Skin                 | Slightly irritating to the skin. |
| Eyes                 | Slightly irritating to the eyes. |
| Potential chronic health effects |
| Chronic effects      | No known significant effects or critical hazards. |
| Carcinogenicity      | No known significant effects or critical hazards. |
| Mutagenicity         | No known significant effects or critical hazards. |
| Teratogenicity       | No known significant effects or critical hazards. |
| Developmental effects| No known significant effects or critical hazards. |
| Fertility effects    | No known significant effects or critical hazards. |
| Over-exposure signs/symptoms |
| Inhalation           | No specific data. |
| Ingestion            | No specific data. |
| Skin                 | No specific data. |
| Eyes                 | No specific data. |
| Medical conditions aggravated by over-exposure | None known. |

See toxicological information (section 11)
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

**Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact**: Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training.

**Notes to physician**: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

**Flammability of the product**: Non-flammable.

**Extinguishing media**

- **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
- **Not suitable**: None known.

**Hazardous thermal decomposition products**: Decomposition products may include the following materials:

- Halogenated compounds
- Metal oxide/oxides

**Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

**Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**

**Small spill**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
6. Accidental release measures

Large spill:
Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling:
Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage:
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures:
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures:
No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures:
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection:

- Eyes:
  - Safety glasses.

- Skin:
  - Lab coat.

- Respiratory:
  - A respirator is not needed under normal and intended conditions of product use.

- Hands:
  - Disposable vinyl gloves.

Personal protective equipment (Pictograms):

- Lab coat.
- Safety glasses.

- Disposable vinyl gloves.

HMIS Code/Personal protective equipment:

A

Date of issue: 01/15/2008
8. Exposure controls/personal protection

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

| Physical state | Liquid. |
| Color          | Yellow. |
| Relative density | ~ 1. |
| Solubility     | Miscible in water. |

10. Stability and reactivity

Stability: The product is stable.
Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid: No specific data.
Materials to avoid: No specific data.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity
- Inhalation: Slightly irritating to the respiratory system.
- Ingestion: No known significant effects or critical hazards.
- Skin: Slightly irritating to the skin.
- Eyes: Slightly irritating to the eyes.

12. Ecological information

Environmental effects: No known significant effects or critical hazards.
Aquatic ecotoxicity

<table>
<thead>
<tr>
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<th>Test</th>
<th>Species</th>
<th>Exposure</th>
<th>Result</th>
</tr>
</thead>
<tbody>
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<td>magnesium chloride</td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 2120 mg/L</td>
</tr>
</tbody>
</table>

Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.
## 14. Transport information

**AERG**
- Not applicable.

**Regulatory information**
- DOT/ TDG / IMDG/ IATA: Not regulated.

## 15. Regulatory information

### United States

**HCS Classification**
- Not regulated.

**U.S. Federal regulations**
- United States inventory (TSCA 8b): All components are listed or exempted.
  - SARA 302/304/311/312 extremely hazardous substances: No products were found.
  - SARA 302/304 emergency planning and notification: No products were found.
  - SARA 302/304/311/312 hazardous chemicals: No products were found.
  - SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
  - Clean Water Act (CWA) 307: No products were found.
  - Clean Water Act (CWA) 311: No products were found.
  - Clean Air Act (CAA) 112 accidental release prevention: No products were found.
  - Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
  - Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

**State regulations**
- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Spill: None of the components are listed.
- Massachusetts Substances: None of the components are listed.
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: None of the components are listed.
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: None of the components are listed.
- Rhode Island Hazardous Substances: None of the components are listed.

### Canada

**WHMIS (Canada)**
- Not controlled under WHMIS (Canada).

**Canadian lists**
- CEPA Toxic substances: None of the components are listed.
- Canadian ARET: None of the components are listed.
- Canadian NPRI: None of the components are listed.
- Alberta Designated Substances: None of the components are listed.
- Ontario Designated Substances: None of the components are listed.
- Quebec Designated Substances: None of the components are listed.

**Canada inventory**
- Canada inventory: All components listed.

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

### International regulations
15. Regulatory information

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Hazardous Material Information System (U.S.A.): See section 8 for more detailed information on personal protection.

HAZARD RATINGS

Health 0
Fire hazard 0
Physical Hazard 0
Personal protection A

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.): See section 8 for more detailed information on personal protection.


Date of issue: 01/15/2008
Date of previous issue: 08/15/2007
Version: 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
1. **Product and company identification**

**Product name**: Probe Reagent  
**Used in**: APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3 ASR 302248, PSA ASR 302251.  
**Supplier/Manufacturer**: Gen-Probe Incorporated  
**10210 Genetic Center Drive**  
**San Diego, CA 92121-4362**  
**MSDS #**: 0027  
**In case of emergency**: CANUTEC (613) 996-6666  
CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

2. **Hazards identification**

**Physical state**: Solid. [Lyophilized.]  
**OSHA/HCS status**: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.  
**Emergency overview**: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.  
No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

**Routes of entry**: Dermal contact. Eye contact. Inhalation. Ingestion.

**Inhalation**: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion**: May cause burns to mouth, throat and stomach. Harmful if swallowed.

**Skin**: No known significant effects or critical hazards.

**Eyes**: No known significant effects or critical hazards.

**Potential chronic health effects**

**Chronic effects**: No known significant effects or critical hazards.

**Carcinogenicity**: No known significant effects or critical hazards.

**Mutagenicity**: No known significant effects or critical hazards.

**Teratogenicity**: No known significant effects or critical hazards.

**Developmental effects**: No known significant effects or critical hazards.

**Fertility effects**: No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Inhalation**: No specific data.

**Ingestion**: No specific data.

**Skin**: No specific data.

**Eyes**: No specific data.

**Medical conditions aggravated by over-exposure**: None known.

**Date of issue**: 01/15/2008
2. Hazards identification

See toxicological information (section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

**Eye contact**
Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact**
Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion**
Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Protection of first-aiders**
No action shall be taken involving any personal risk or without suitable training.

**Notes to physician**
In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-fighting measures

**Flammability of the product**
Non-flammable.

**Extinguishing media**

- **Suitable**
  - Use an extinguishing agent suitable for the surrounding fire.

- **Not suitable**
  - None known.

**Hazardous thermal decomposition products**
Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - nitrogen oxides
  - sulfur oxides
  - metal oxide/oxides

**Special protective equipment for fire-fighters**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

**Personal precautions**
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6. Accidental release measures

**Small spill**: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill**: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

**Handling**: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage**: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures**: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Eyes**: Safety glasses.

**Skin**: Lab coat.

**Respiratory**: A respirator is not needed under normal and intended conditions of product use.

**Hands**: Disposable vinyl gloves.

**Personal protective equipment (Pictograms)**: ![Eye Protection](image), ![Respirator](image), ![Gloves](image)

**HMIS Code/Personal protective equipment**: A

Date of issue: 01/15/2008
8. Exposure controls/personal protection

**Environmental exposure controls**: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

**Physical state**: Solid. [Lyophilized.]
**Color**: White to off-white.
**pH**: 5

10. Stability and reactivity

**Stability**: The product is stable.
**Hazardous polymerization**: Under normal conditions of storage and use, hazardous polymerization will not occur.
**Conditions to avoid**: No specific data.
**Materials to avoid**: No specific data.
**Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

**Acute toxicity**
- **Inhalation**: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- **Ingestion**: May cause burns to mouth, throat and stomach. Harmful if swallowed.
- **Skin**: No known significant effects or critical hazards.
- **Eyes**: No known significant effects or critical hazards.

12. Ecological information

**Environmental effects**: No known significant effects or critical hazards.
**Other adverse effects**: No known significant effects or critical hazards.

13. Disposal considerations

**Waste disposal**: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.
# 14. Transport information

**AERG**
Not applicable.

**Regulatory information**

**DOT/ TDG / IMDG/ IATA**
Not regulated.

# 15. Regulatory information

## United States

### HCS Classification
Not regulated.

### U.S. Federal regulations

- **United States inventory (TSCA 8b):** All components listed.

  - **SARA 302/304/311/312 extremely hazardous substances:** No products were found.
  - **SARA 302/304 emergency planning and notification:** No products were found.
  - **SARA 302/304/311/312 hazardous chemicals:** No products were found.
  - **SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** No products were found.

  - **Clean Water Act (CWA) 307:** No products were found.
  - **Clean Water Act (CWA) 311:** No products were found.
  - **Clean Air Act (CAA) 112 accidental release prevention:** No products were found.
  - **Clean Air Act (CAA) 112 regulated flammable substances:** No products were found.
  - **Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

### State regulations

- **Connecticut Carcinogen Reporting:** None of the components are listed.
- **Connecticut Hazardous Material Survey:** None of the components are listed.
- **Florida substances:** None of the components are listed.
- **Illinois Chemical Safety Act:** None of the components are listed.
- **Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.
- **Louisiana Reporting:** None of the components are listed.
- **Louisiana Spill:** None of the components are listed.
- **Massachusetts Spill:** None of the components are listed.
- **Massachusetts Substances:** None of the components are listed.
- **Michigan Critical Material:** None of the components are listed.
- **Minnesota Hazardous Substances:** None of the components are listed.
- **New Jersey Hazardous Substances:** None of the components are listed.
- **New Jersey Spill:** None of the components are listed.
- **New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.
- **New York Acutely Hazardous Substances:** None of the components are listed.
- **New York Toxic Chemical Release Reporting:** None of the components are listed.
- **Pennsylvania RTK Hazardous Substances:** None of the components are listed.
- **Rhode Island Hazardous Substances:** None of the components are listed.

## Canada

### WHMIS (Canada)
Not controlled under WHMIS (Canada).

### Canadian lists

- **CEPA Toxic substances:** None of the components are listed.
- **Canadian ARET:** None of the components are listed.
- **Canadian NPRI:** None of the components are listed.
- **Alberta Designated Substances:** None of the components are listed.
- **Ontario Designated Substances:** None of the components are listed.
- **Quebec Designated Substances:** None of the components are listed.

### Canada inventory

- **Canada inventory:** All components listed.

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

## International regulations

**Date of issue**
01/15/2008

**Page:** 5/6
15. Regulatory information

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

HAZARD RATINGS

- Health: 0
- Fire hazard: 0
- Physical Hazard: 0
- Personal protection: A

HAZARD RATINGS:

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

HAZARD RATINGS:

- Flammability: 0
- Health: 0
- Instability: 0
- Special

References:


Date of issue: 01/15/2008
Date of previous issue: 08/31/2007
Version: 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Material Safety Data Sheet
Probe Reconstitution Solution

1. Product and company identification

Product name: Probe Reconstitution Solution
Used in: APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3/PSA Supplemental Fluids Kit 302030.

Material uses: In vitro diagnostic.
Supplier/Manufacturer: Gen-Probe Incorporated
10210 Genetic Center Drive
San Diego, CA 92121-4362
MSDS #: 0028
In case of emergency: CANUTEC (613) 996-6666
CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

2. Hazards identification

Physical state: Liquid.
OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview:
WARNING!
CAUSES EYE IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED. MAY CAUSE SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.
Irritating to eyes. Moderately irritating to the skin. May be harmful if absorbed through skin. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not get in eyes. Avoid contact with skin and clothing. Contains material that can cause target organ damage. Wash thoroughly after handling.

Potential acute health effects
Inhalation: No known significant effects or critical hazards.
Ingestion: May be harmful if swallowed.
Skin: May be harmful if absorbed through skin. Moderately irritating to the skin.
Eyes: Irritating to eyes.

Potential chronic health effects
Chronic effects: Contains material that can cause target organ damage.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.
Target organs: Contains material which causes damage to the following organs: blood, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Over-exposure signs/symptoms
Inhalation: No specific data.
Ingestion: No specific data.
Skin: Adverse symptoms may include the following: irritation redness
Eyes: Adverse symptoms may include the following: pain or irritation watering redness.

Date of issue: 01/15/2008
2. Hazards identification

Medical conditions aggravated by over-exposure:
Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium chloride</td>
<td>7447-41-8</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium chloride</td>
<td>7447-41-8</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Succinic acid</td>
<td>110-15-6</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Hazardous materials listed are the same in each part number in "Used In" section, however due to differing non-hazardous components, the use of these products are not interchangeable. See package insert for product use.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

**Eye contact**
Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact**
Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion**
Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Protection of first-aiders**
No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician**
No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

**Flammability of the product**
Non-flammable.

**Extinguishing media**
Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: None known.

**Hazardous thermal decomposition products**
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides
halogenated compounds
metal oxide/oxides

**Special protective equipment for fire-fighters**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
6. Accidental release measures

**Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**

- **Small spill**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- **Large spill**: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

**Handling**: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage**: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Product name</th>
<th>United States Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ethanol</strong></td>
<td>ACGIH TLV (United States, 1/2006). TWA: 1880 mg/m³ 8 hour(s).</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (United States, 12/2001). TWA: 1900 mg/m³ 10 hour(s).</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (United States, 11/2006). TWA: 1900 mg/m³ 8 hour(s).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product name</th>
<th>Canada Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ethanol</strong></td>
<td>CSST (Canada, 2001). TWA: 1880 mg/m³ 8 hour(s).</td>
</tr>
</tbody>
</table>

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures**: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Date of issue : 01/15/2008
8. Exposure controls/personal protection

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes: Safety glasses.

Skin: Lab coat.

Respiratory: A respirator is not needed under normal and intended conditions of product use.

Hands: Natural rubber (latex).

Personal protective equipment (Pictograms)

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Physical state: Liquid.

Color: Colorless to light yellow.

pH: 4.7

10. Stability and reactivity

Stability: The product is stable.

Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid: No specific data.

Materials to avoid: No specific data.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Species</th>
<th>Dose</th>
<th>Result</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium chloride</td>
<td>Rabbit</td>
<td>1629 mg/kg</td>
<td>LD50 Dermal</td>
<td>-</td>
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<tr>
<td></td>
<td>Rat</td>
<td>1488 mg/kg</td>
<td>LD50 Dermal</td>
<td>-</td>
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<tr>
<td></td>
<td>Rat</td>
<td>4800 ug/kg</td>
<td>LD50 Intracerebral</td>
<td>-</td>
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<tr>
<td></td>
<td>Rat</td>
<td>925 mg/kg</td>
<td>LD50 Intraperitoneal</td>
<td>-</td>
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<td></td>
<td>Rat</td>
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<td>Rat</td>
<td>205 mg/kg</td>
<td>LD50 Intratracheal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>526 mg/kg</td>
<td>LD50 Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>1530 mg/kg</td>
<td>LD50 Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>499 mg/kg</td>
<td>LD50 Subcutaneous</td>
<td>-</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Rat</td>
<td>11 mg/kg</td>
<td>LD50 Intra-arterial</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>3600 ug/kg</td>
<td>LD50 Intraperitoneal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>1440 mg/kg</td>
<td>LD50 Intravenous</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>7060 mg/kg</td>
<td>LD50 Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>7 g/kg</td>
<td>LD50 Oral</td>
<td>-</td>
</tr>
</tbody>
</table>

Inhalation: No known significant effects or critical hazards.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. Moderately irritating to the skin.

Eyes: Irritating to eyes.

Date of issue: 01/15/2008
11. Toxicological information

Carcinogenicity Classification

Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA
--- | --- | --- | --- | --- | --- | ---
Ethanol | A4 | - | - | - | - | -

12. Ecological information

Environmental effects: No known significant effects or critical hazards.

Aquatic ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Species</th>
<th>Exposure</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>Intoxication</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>Acute EC50 &gt;100 mg/L</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Intoxication</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>Acute EC50 9.3 mg/L</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Physiology</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>Acute EC50 2 mg/L</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 13000 mg/L</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 &gt;100 mg/L</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Mortality</td>
<td>Daphnia</td>
<td>96 hours</td>
<td>Acute LC50 &gt;100 mg/L</td>
</tr>
</tbody>
</table>

Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional/local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

AERG: Not applicable.
Regulatory information

DOT / TDG / IMDG / IATA: Not regulated.

15. Regulatory information

United States

HCS Classification: Irritating material
Target organ effects

U.S. Federal regulations

United States inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Lithium chloride; Ethanol; Succinic acid
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Lithium chloride: Immediate (acute) health hazard, Delayed (chronic) health hazard;
Ethanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard;
Succinic acid: Immediate (acute) health hazard, Delayed (chronic) health hazard
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: EDTA Calibration Sample
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

Date of issue: 01/15/2008
15. Regulatory information

State regulations:
- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Spill: None of the components are listed.
- Massachusetts Substances: The following components are listed: Ethanol
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: The following components are listed: Ethanol
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: The following components are listed: Ethanol
- Rhode Island Hazardous Substances: None of the components are listed.

Canada
- WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists:
- CEPA Toxic substances: None of the components are listed.
- Canadian ARET: None of the components are listed.
- Canadian NPRI: The following components are listed: Ethanol
- Alberta Designated Substances: None of the components are listed.
- Ontario Designated Substances: None of the components are listed.
- Quebec Designated Substances: None of the components are listed.

Canada inventory: All components listed.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations
International lists:
This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements: CAUSES EYE IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED. MAY CAUSE SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

Hazardous Material Information System (U.S.A.):

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire hazard</th>
<th>Physical Hazard</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

HAZARD RATINGS

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.):

Date of issue: 01/15/2008
### References

- Manufacture's Material Safety Data Sheet.
- 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Target Capture Reagent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in</td>
<td>APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3 ASR 302249, PSA ASR 302252.</td>
</tr>
</tbody>
</table>

Material uses         : In vitro diagnostic.
Supplier/Manufacturer  : Gen-Probe Incorporated
10210 Genetic Center Drive
San Diego, CA 92121-4362
MSDS #                 : 0029
In case of emergency  : CANUTEC (613) 996-6666
CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

2. Hazards identification

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid. [Suspension.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA/HCS status</td>
<td>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).</td>
</tr>
<tr>
<td>Emergency overview</td>
<td>WARNING! CAUSES EYE IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. May be harmful if absorbed through skin or if swallowed. Irritating to eyes. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not get in eyes. Avoid contact with skin and clothing. Contains material that can cause target organ damage. Wash thoroughly after handling.</td>
</tr>
<tr>
<td>Routes of entry</td>
<td>Dermal contact. Eye contact. Inhalation. Ingestion.</td>
</tr>
<tr>
<td>Potential acute health effects</td>
<td>Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.</td>
</tr>
<tr>
<td></td>
<td>Ingestion: Harmful if swallowed.</td>
</tr>
<tr>
<td></td>
<td>Skin: Harmful in contact with skin.</td>
</tr>
<tr>
<td></td>
<td>Eyes: Irritating to eyes.</td>
</tr>
<tr>
<td>Potential chronic health effects</td>
<td>Chronic effects: Contains material that can cause target organ damage.</td>
</tr>
<tr>
<td></td>
<td>Carcinogenicity: No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>Mutagenicity: No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>Teratogenicity: No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>Developmental effects: No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>Fertility effects: No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>Target organs: Contains material which causes damage to the following organs: central nervous system (CNS).</td>
</tr>
<tr>
<td>Over-exposure signs/symptoms</td>
<td>Inhalation: No specific data.</td>
</tr>
<tr>
<td></td>
<td>Ingestion: No specific data.</td>
</tr>
<tr>
<td></td>
<td>Skin: No specific data.</td>
</tr>
</tbody>
</table>

Date of issue : 01/15/2008
2. Hazards identification

Eyes: Adverse symptoms may include the following:
- pain or irritation
- watering
- redness

Medical conditions aggravated by over-exposure: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>United States</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Lithium chloride</td>
<td>7447-41-8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Canada</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Lithium chloride</td>
<td>7447-41-8</td>
</tr>
</tbody>
</table>

Hazardous materials listed are the same in each part number in "Used In" section, however due to differing non-hazardous components, the use of these products are not interchangeable. See package insert for product use.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Eye contact: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-fighting measures

Flammability of the product: Non-flammable.

Extinguishing media
- Suitable: Use an extinguishing agent suitable for the surrounding fire.
- Not suitable: None known.

Date of issue: 01/15/2008
5. Fire-fighting measures

Hazardous thermal decomposition products: Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- nitrogen oxides
- sulfur oxides
- halogenated compounds
- metal oxide/oxides

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up
- Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures**
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**
If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures**
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

- **Eyes**
  - Safety glasses.

- **Skin**
  - Lab coat.

- **Respiratory**
  - A respirator is not needed under normal and intended conditions of product use.

- **Hands**
  - Natural rubber (latex).

**Personal protective equipment (Pictograms)**

- **HMIS Code/Personal protective equipment**
  - B

- **Environmental exposure controls**
  - Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

- **Physical state**
  - Liquid. [Suspension.]

- **Color**
  - Brown.

- **pH**
  - ~ 6.4.

- **Relative density**
  - 1.07

10. Stability and reactivity

- **Stability**
  - The product is stable.

- **Hazardous polymerization**
  - Under normal conditions of storage and use, hazardous polymerization will not occur.

- **Conditions to avoid**
  - No specific data.

- **Materials to avoid**
  - No specific data.

- **Hazardous decomposition products**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
11. Toxicological information

**Acute toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Species</th>
<th>Dose</th>
<th>Result</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium chloride</td>
<td>Rabbit</td>
<td>1629 mg/kg</td>
<td>LD50 Dermal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>1488 mg/kg</td>
<td>LD50 Dermal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>4800 ug/kg</td>
<td>LD50 Intracerebral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>925 mg/kg</td>
<td>LD50 Intraperitoneal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>514 mg/kg</td>
<td>LD50 Intraperitoneal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>205 mg/kg</td>
<td>LD50 Intratracheal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>526 mg/kg</td>
<td>LD50 Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>1530 mg/kg</td>
<td>LD50 Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>499 mg/kg</td>
<td>LD50 Subcutaneous</td>
<td>-</td>
</tr>
</tbody>
</table>

**Inhalation**: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion**: Harmful if swallowed.

**Skin**: Harmful in contact with skin.

**Eyes**: Irritating to eyes.

12. Ecological information

**Environmental effects**: No known significant effects or critical hazards.

**Other adverse effects**: No known significant effects or critical hazards.

13. Disposal considerations

**Waste disposal**: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

**AERG**: Not applicable.

**Regulatory information**

**DOT/ TDG / IMDG/ IATA**: Not regulated.

15. Regulatory information

**United States**

**HCS Classification**: Irritating material

**Target organ effects**

**U.S. Federal regulations**

- **United States inventory (TSCA 8b)**: All components listed.
- **SARA 302/304/311/312 extremely hazardous substances**: No products were found.
- **SARA 302/304 emergency planning and notification**: No products were found.
- **SARA 302/304/311/312 hazardous chemicals**: Lithium chloride
- **SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: Lithium chloride: Immediate (acute) health hazard, Delayed (chronic) health hazard
- **Clean Water Act (CWA) 307**: No products were found.
- **Clean Water Act (CWA) 311**: EDTA Calibration Sample
15. Regulatory information

Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations:
- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
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- Massachusetts Substances: None of the components are listed.
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- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: None of the components are listed.
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: None of the components are listed.
- Rhode Island Hazardous Substances: None of the components are listed.

Canada

WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists:
- CEPA Toxic substances: None of the components are listed.
- Canadian ARET: None of the components are listed.
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- Ontario Designated Substances: None of the components are listed.
- Quebec Designated Substances: None of the components are listed.

Canada inventory: All components listed.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations

International lists:
This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

CAUSES EYE IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

HAZARD RATINGS

| Health | 2 |
| Fire hazard | 0 |
| Physical Hazard | 0 |
| Personal protection | B |

See section 8 for more detailed information on personal protection.

Date of issue : 01/15/2008
16. Other information

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Flammability
Health
Instability
Special

References:
- Manufacturer's Material Safety Data Sheet.
- 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.

Date of issue: 01/15/2008
Date of previous issue: 08/15/2007
Version: 1.1

Notice to reader
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
# Material Safety Data Sheet

## Controls

### 1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in</td>
<td>APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 Calibrators and Controls Kit 302353, PROGENSA PSA Calibrators and Controls Kit 302356.</td>
</tr>
</tbody>
</table>

| Material uses | In vitro diagnostic. |
| Supplier/Manufacturer | Gen-Probe Incorporated 10210 Genetic Center Drive San Diego, CA 92121-4362 |
| MSDS #         | 0035 |
| In case of emergency | CANUTEC (613) 996-6666 CHEMTREC, U.S.: (800) 424-9300 International: (703) 527-3887 |

### 2. Hazards identification

#### Physical state

|   | Liquid. |

#### OSHA/HCS status

|   | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product. |

#### Emergency overview

|   | NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED. No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing. |

#### Routes of entry

|   | Dermal contact. Eye contact. Inhalation. Ingestion. |

#### Potential acute health effects

|   | Inhalation: No known significant effects or critical hazards. Ingestion: No known significant effects or critical hazards. Skin: No known significant effects or critical hazards. Eyes: No known significant effects or critical hazards. |

#### Potential chronic health effects

|   | Chronic effects: No known significant effects or critical hazards. Carcinogenicity: No known significant effects or critical hazards. Mutagenicity: No known significant effects or critical hazards. Teratogenicity: No known significant effects or critical hazards. Developmental effects: No known significant effects or critical hazards. Fertility effects: No known significant effects or critical hazards. |

#### Over-exposure signs/symptoms

|   | Inhalation: No specific data. Ingestion: No specific data. Skin: No specific data. Eyes: No specific data. Medical conditions aggravated by over-exposure: None known. |

See toxicological information (section 11)
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

- **Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- **Skin contact**: Wash with soap and water. Get medical attention if symptoms occur.
- **Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- **Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- **Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training.
- **Notes to physician**: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

- **Flammability of the product**: Non-flammable.
- **Extinguishing media**
  - **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
  - **Not suitable**: None known.
- **Hazardous thermal decomposition products**: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides.
- **Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- **Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- **Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- **Methods for cleaning up**
  - **Small spill**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
  - **Large spill**: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.
7. Handling and storage

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes: Safety glasses.

Skin: Lab coat.

Respiratory: A respirator is not needed under normal and intended conditions of product use.

Hands: Disposable vinyl gloves.

Personal protective equipment (Pictograms):

HMIS Code/Personal protective equipment: A

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Physical state: Liquid.

Color: Colorless.

pH: ~ 6.7.

Relative density: ~ 1.

Date of issue: 01/15/2008
### 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Stability</th>
<th>The product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous polymerization</td>
<td>Under normal conditions of storage and use, hazardous polymerization will not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
</tbody>
</table>

### 11. Toxicological information

#### Acute toxicity
- **Inhalation**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.
- **Skin**: No known significant effects or critical hazards.
- **Eyes**: No known significant effects or critical hazards.

### 12. Ecological information

#### Environmental effects
- No known significant effects or critical hazards.

#### Other adverse effects
- No known significant effects or critical hazards.

### 13. Disposal considerations

- **Waste disposal**: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

### 14. Transport information

- **AERG**: Not applicable.
- **Regulatory information**
  - **DOT/ TDG / IMDG/ IATA**: Not regulated.

### 15. Regulatory information

#### United States
- **HCS Classification**: Not regulated.
- **U.S. Federal regulations**
  - **United States inventory (TSCA 8b)**: All components listed.
  - **SARA 302/304/311/312 extremely hazardous substances**: No products were found.
  - **SARA 302/304 emergency planning and notification**: No products were found.
  - **SARA 302/304/311/312 hazardous chemicals**: No products were found.
  - **SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: No products were found.
  - **Clean Water Act (CWA) 307**: No products were found.
  - **Clean Water Act (CWA) 311**: Disodium Phosphate
  - **Clean Air Act (CAA) 112 accidental release prevention**: No products were found.
  - **Clean Air Act (CAA) 112 regulated flammable substances**: No products were found.
  - **Clean Air Act (CAA) 112 regulated toxic substances**: No products were found.
15. Regulatory information

State regulations:
- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Spill: None of the components are listed.
- Massachusetts Substances: None of the components are listed.
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: None of the components are listed.
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: None of the components are listed.
- Rhode Island Hazardous Substances: None of the components are listed.

Canada
- WHMIS (Canada): Not controlled under WHMIS (Canada).
- Canadian lists:
  - CEPA Toxic substances: None of the components are listed.
  - Canadian ARET: None of the components are listed.
  - Canadian NPRI: None of the components are listed.
  - Alberta Designated Substances: None of the components are listed.
  - Ontario Designated Substances: None of the components are listed.
  - Quebec Designated Substances: None of the components are listed.
- Canada inventory: All components listed.

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

International regulations
- International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>Health</th>
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<tr>
<td>Fire hazard</td>
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</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal protection</td>
<td>A</td>
</tr>
</tbody>
</table>

HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Flammability

Health

Instability

Special

References:

Date of issue: 01/15/2008
Notice to reader
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
1. Product and company identification

<table>
<thead>
<tr>
<th>Common name</th>
<th>Target Capture Reagent B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in</td>
<td>APTIMA CT Assay 301088,</td>
</tr>
<tr>
<td></td>
<td>APTIMA CT Assay TIGRIS</td>
</tr>
<tr>
<td></td>
<td>250-test kit 301199,</td>
</tr>
<tr>
<td></td>
<td>APTIMA CT Assay TIGRIS</td>
</tr>
<tr>
<td></td>
<td>2x50-test kit 302224,</td>
</tr>
<tr>
<td></td>
<td>APTIMA GC Assay 301091,</td>
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<tr>
<td></td>
<td>APTIMA GC Assay TIGRIS</td>
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<tr>
<td></td>
<td>250-test kit 301196,</td>
</tr>
<tr>
<td></td>
<td>APTIMA GC Assay TIGRIS</td>
</tr>
<tr>
<td></td>
<td>2x50-test kit 302225,</td>
</tr>
<tr>
<td></td>
<td>APTIMA Combo 2 301032,</td>
</tr>
<tr>
<td></td>
<td>APTIMA Combo 2 TIGRIS</td>
</tr>
<tr>
<td></td>
<td>250-test kit 301130.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MSDS #</th>
<th>0037</th>
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</thead>
<tbody>
<tr>
<td>Material uses</td>
<td>Various.</td>
</tr>
<tr>
<td>Supplier/Manuf.</td>
<td>Gen-Probe Incorporated</td>
</tr>
<tr>
<td></td>
<td>10210 Genetic Center Drive</td>
</tr>
<tr>
<td></td>
<td>San Diego, CA 92121-4362</td>
</tr>
</tbody>
</table>

In case of emergency:

<table>
<thead>
<tr>
<th>Supplier/Manuf.</th>
<th>CANUTEC (613) 996-6666</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CHEMTREC, U.S. : (800) 424-9300</td>
</tr>
<tr>
<td></td>
<td>International: (703) 527-3887</td>
</tr>
</tbody>
</table>

2. Hazards identification

Physical state: Liquid.

Color: Colorless.

Hazard status: This material is classified as not hazardous under OSHA regulations in the United States and the WHMIS in Canada.

Emergency overview:

USE WITH CARE.

Follow good industrial hygiene practice.

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects:

<table>
<thead>
<tr>
<th>Eyes</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

Potential chronic health effects:

Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Medical conditions aggravated by over-exposure:

None known.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.
4. First aid measures

**Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact**: Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Notes to physician**: No specific antidote. Medical staff must contact Poison Control Center.

5. Fire-fighting measures

**Flammability of the product**: Non-flammable.

**Products of combustion**: No specific data.

**Extinguishing media**

- **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
- **Not suitable**: None known.

**Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

**Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

**Handling**: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage**: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Date of issue: 08/15/2007
8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Eyes: Safety glasses.
Skin: Lab coat.
Respiratory: A respirator is not needed under normal and intended conditions of product use.
Hands: Disposable vinyl gloves.

Hygiene measures: 

HMIS Code/Personal protective equipment: A

Personal protection in case of a large spill: Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9. Physical and chemical properties

Physical state: Liquid.
Color: Colorless.
pH: Approximately 6.7.
Relative density: Approximately 1.
Solubility: Miscible in water.

10. Stability and reactivity

Stability and reactivity: The product is stable.
Incompatibility with various substances: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization: Will not occur.
Conditions of reactivity: Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.

11. Toxicological information

Acute Effects

Eyes: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Date of issue: 08/15/2007
Potential chronic health effects:
- Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
- Mutagenic effects: Not available.
- Teratogenic effects: Not available.

12. Ecological information

- Environmental precautions: No known significant effects or critical hazards.
- Products of degradation: Not applicable.

13. Disposal considerations

- Waste disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

- AERG: Not applicable.

15. Regulatory information

United States
- HCS Classification: Not regulated.
- U.S. Federal regulations:
  - TSCA: All components listed.
  - SARA 302/304/311/312 extremely hazardous substances: No products were found.
  - SARA 302/304 emergency planning and notification: No products were found.
  - SARA 302/304/311/312 hazardous chemicals: No products were found.
  - SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
  - Clean Water Act (CWA) 307: No products were found.
  - Clean Water Act (CWA) 311: sodium phosphate, dibasic
  - Clean Air Act (CAA) 112 accidental release prevention: No products were found.
  - Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
  - Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations:
- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Spill: None of the components are listed.
- Massachusetts Substances: None of the components are listed.
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: None of the components are listed.
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: None of the components are listed.
- Rhode Island Hazardous Substances: None of the components are listed.

Date of issue: 08/15/2007
California prop. 65: No products were found.

Canada

WHMIS (Canada)

: Not regulated.

Canada inventory

: Canada inventory: All components listed.

CEPA Toxic substances: None of the components are listed.

Canadian ARET: None of the components are listed.

Canadian NPRI: None of the components are listed.

Alberta Designated Substances: None of the components are listed.

Ontario Designated Substances: None of the components are listed.

Quebec Designated Substances: None of the components are listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR and the United States OSHA. This MSDS contains all the information required by the CPR and OSHA, the American National Standard Institute (ANSI) Z400.1.

International lists

: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements (U.S.A.)

: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>HMIS RATING</th>
<th>HAZARD RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>4- Extreme</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>3- Serious</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>2- Moderate</td>
</tr>
<tr>
<td>Personal protection</td>
<td>1- Slight</td>
</tr>
<tr>
<td></td>
<td>0- Minimal</td>
</tr>
</tbody>
</table>

National Fire Protection Association (U.S.A.)

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Reactivity</th>
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<tr>
<td>Health</td>
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References


Date of issue

: 08/15/2007

Version

: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
1. Product and company identification

Product name: Selection Reagent
Used in: APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3/PSA Supplemental Fluids Kit 302030.

Material uses: In vitro diagnostic.
Supplier/Manufacturer: Gen-Probe Incorporated
10210 Genetic Center Drive
San Diego, CA 92121-4362

MSDS #: 0038
In case of emergency: CANUTEC (613) 996-6666
CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

2. Hazards identification

Physical state: Liquid. [Clear.]
Odor: Odorless.
OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview: WARNING!
CAUSES EYE IRRITATION.
Severely irritating to eyes. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not get in eyes. Avoid contact with skin and clothing.
Contains material that can cause target organ damage. Wash thoroughly after handling.

Potential acute health effects
Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Eyes: Severely irritating to eyes. Risk of serious damage to eyes.

Potential chronic health effects
Chronic effects: Contains material that can cause target organ damage.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.

Over-exposure signs/symptoms
Inhalation: No specific data.
Ingestion: No specific data.
Skin: No specific data.
Eyes: Adverse symptoms may include the following:
pain or irritation
watering
redness
2 . Hazards identification

Medical conditions aggravated by over-exposure: None known.

See toxicological information (section 11)

3 . Composition/information on ingredients

<table>
<thead>
<tr>
<th>United States</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>CAS number</td>
<td>%</td>
</tr>
<tr>
<td>Boric Acid</td>
<td>10043-35-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Triton X-100</td>
<td>9002-93-1</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Canada</th>
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</table>

Hazardous materials listed are the same in each part number in " Used In " section, however due to differing non-hazardous components, the use of these products are not interchangeable. See package insert for product use.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 . First aid measures

| Eye contact                  | : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur. |
| Skin contact                 | : Wash with soap and water. Get medical attention if symptoms occur. |
| Inhalation                   | : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear. |
| Ingestion                    | : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear. |
| Protection of first-aiders   | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| Notes to physician           | : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |

5 . Fire-fighting measures

| Flammability of the product  | : Non-flammable. |
| Extinguishing media          |                     |
| Suitable                    | : Use an extinguishing agent suitable for the surrounding fire. |
| Not suitable                 | : None known. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
6. Accidental release measures

**Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**

**Small spill**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill**: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

**Handling**: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage**: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Product name</th>
<th>United States</th>
<th>Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric Acid</td>
<td><strong>Exposure limits</strong></td>
<td><strong>Exposure limits</strong></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV (United States, 1/2006).</td>
<td>ACGIH TLV (United States, 1/2006).</td>
</tr>
<tr>
<td></td>
<td>STEL: 6 mg/m³ 15 minute(s).</td>
<td>STEL: 6 mg/m³ 15 minute(s).</td>
</tr>
<tr>
<td></td>
<td>TWA: 2 mg/m³ 8 hour(s).</td>
<td>TWA: 2 mg/m³ 8 hour(s).</td>
</tr>
</tbody>
</table>

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures**: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Date of issue : 01/15/2008
8. Exposure controls/personal protection

**Engineering measures**: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Eyes**: Safety glasses.

**Skin**: Lab coat.

**Respiratory**: A respirator is not needed under normal and intended conditions of product use.

**Hands**: Natural rubber (latex).

**Personal protective equipment (Pictograms)**:

- Safety glasses
- Lab coat
- Natural rubber (latex)

**Environmental exposure controls**: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

**Physical state**: Liquid. [Clear.]

**Color**: Colorless.

**Odor**: Odorless.

**pH**: 8.5

**Solubility**: Miscible in water.

10. Stability and reactivity

**Stability**: The product is stable.

**Hazardous polymerization**: Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to avoid**: No specific data.

**Materials to avoid**: No specific data.

**Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

**Acute toxicity**

- **Inhalation**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.
- **Skin**: No known significant effects or critical hazards.
- **Eyes**: Severely irritating to eyes. Risk of serious damage to eyes.

**Carcinogenicity**
11. Toxicological information

### Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>EPA</th>
<th>NIOSH</th>
<th>NTP</th>
<th>OSHA</th>
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<tbody>
<tr>
<td>Boric Acid</td>
<td>A4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Ecological information

#### Environmental effects

- No known significant effects or critical hazards.

#### Aquatic ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Species</th>
<th>Exposure</th>
<th>Result</th>
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</thead>
<tbody>
<tr>
<td>Boric Acid</td>
<td>Intoxication</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>Acute EC50 777 mg/L</td>
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<tr>
<td></td>
<td>Intoxication</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>Acute EC50 226 mg/L</td>
</tr>
<tr>
<td></td>
<td>Intoxication</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>Acute EC50 133 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 &gt;1100 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 &gt;1021 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 &gt;800 mg/L</td>
</tr>
<tr>
<td>Triton X-100</td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 531 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 12 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 &gt;10 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 6 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 5.38 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 4.5 mg/L</td>
</tr>
</tbody>
</table>

#### Other adverse effects

- No known significant effects or critical hazards.

12. Disposal considerations

- **Waste disposal:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

- **Disposal:** In accordance with applicable regional, national and local laws and regulations.

- **Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

14. Transport information

- **AERG:** Not applicable.

- **DOT/ TDG / IMDG/ IATA:** Not regulated.

15. Regulatory information

- **United States**

  - **HCS Classification:** Irritating material
  - **U.S. Federal regulations:** TSCA 8(a)PAIR: Triton X-100
    - United States inventory (TSCA 8b): All components listed.
    - SARA 302/304/311/312 extremely hazardous substances: No products were found.
    - SARA 302/304 emergency planning and notification: No products were found.
    - SARA 302/304/311/312 hazardous chemicals: Boric Acid; Triton X-100
    - SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Boric Acid: Immediate (acute) health hazard, Delayed (chronic) health hazard; Triton X-100: Immediate (acute) health hazard, Delayed (chronic) health hazard

Date of issue: 01/15/2008
15. Regulatory information

State regulations:
- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Spill: None of the components are listed.
- Massachusetts Substances: None of the components are listed.
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: None of the components are listed.
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: None of the components are listed.
- Rhode Island Hazardous Substances: None of the components are listed.

California Prop. 65
- California prop. 65: No products were found.

Canada
- WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists:
- CEPA Toxic substances: None of the components are listed.
- Canadian ARET: None of the components are listed.
- Canadian NPRI: The following components are listed: Triton X-100
- Alberta Designated Substances: None of the components are listed.
- Ontario Designated Substances: None of the components are listed.
- Quebec Designated Substances: None of the components are listed.

Canada inventory:
- Canada inventory: All components listed.

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

International regulations
- International lists:
  - This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).
16. Other information

Label requirements: CAUSES EYE IRRITATION.

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire hazard</td>
<td>0</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal protection</td>
<td>B</td>
</tr>
</tbody>
</table>

HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

References:
- Manufacturer's Material Safety Data Sheet.
- 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.
- Registration SOR/88-64, 31 December 1987.

Date of issue: 01/15/2008
Date of previous issue: 08/15/2007
Version: 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Material Safety Data Sheet
Enzyme Reconstitution Solution

1. Product and company identification

Product name: Enzyme Reconstitution Solution

Used in:
- APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3/PSA Supplemental Fluids Kit 302030.

Material uses: In vitro diagnostic.

Supplier/Manufacturer: Gen-Probe Incorporated
10210 Genetic Center Drive
San Diego, CA 92121-4362

MSDS #: 0039

In case of emergency:
- CANUTEC (613) 996-6666
- CHEMTREC, U.S.: (800) 424-9300
- International: (703) 527-3887

2. Hazards identification

Physical state: Liquid. [Clear.]

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview: WARNING!
CAUSES EYE IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

Potential acute health effects:
- Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Ingestion: No known significant effects or critical hazards.
- Skin: No known significant effects or critical hazards.
- Eyes: Irritating to eyes.

Potential chronic health effects:
- Chronic effects: Contains material that can cause target organ damage.
- Carcinogenicity: No known significant effects or critical hazards.
- Mutagenicity: No known significant effects or critical hazards.
- Teratogenicity: No known significant effects or critical hazards.
- Developmental effects: No known significant effects or critical hazards.
- Fertility effects: No known significant effects or critical hazards.
- Target organs: Contains material which causes damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.

Over-exposure signs/symptoms:
- Inhalation: No specific data.
- Ingestion: No specific data.
- Skin: No specific data.

Date of issue: 01/15/2008
2. Hazards identification

**Eyes**: Adverse symptoms may include the following:
pain or irritation
watering
redness

**Medical conditions aggravated by over-exposure**: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>United States</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Triton X-100</td>
<td>9002-93-1</td>
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</tr>
<tr>
<td><strong>Canada</strong></td>
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<td></td>
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Hazardous materials listed are the same in each part number in "Used In" section, however due to differing non-hazardous components, the use of these products are not interchangeable. See package insert for product use.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

**Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact**: Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**Notes to physician**: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-fighting measures

**Flammability of the product**: Non-flammable.

**Extinguishing media**

**Suitable**: Use an extinguishing agent suitable for the surrounding fire.

**Not suitable**: None known.

**Hazardous thermal decomposition products**: Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides

Date of issue : 01/15/2008
## 5. Fire-fighting measures

**Special protective equipment for fire-fighters**
- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

### Personal precautions
- No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

### Environmental precautions
- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods for cleaning up

#### Small spill
- Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Large spill
- Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

### Handling
- Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

### Storage
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### United States

<table>
<thead>
<tr>
<th>Product name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td><strong>ACGIH TLV (United States, 1/2006).</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ 8 hour(s). Form: Mist</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA PEL (United States, 11/2006).</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction</td>
</tr>
</tbody>
</table>

### Canada

<table>
<thead>
<tr>
<th>Product name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td><strong>ACGIH TLV (United States, 1/2006).</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ 8 hour(s). Form: Mist</td>
</tr>
</tbody>
</table>
8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures**
- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**
- If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures**
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Eyes**
- Safety glasses.

**Skin**
- Lab coat.

**Respiratory**
- A respirator is not needed under normal and intended conditions of product use.

**Hands**
- Natural rubber (latex).

**Personal protective equipment (Pictograms)**

**Environmental exposure controls**
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

**Physical state**
- Liquid. [Clear.]

**Color**
- Colorless.

**pH**
- 7.

**Relative density**
- 1.071

**Solubility**
- Miscible in water.

10. Stability and reactivity

**Stability**
- The product is stable.

**Hazardous polymerization**
- Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to avoid**
- No specific data.

**Materials to avoid**
- No specific data.

**Hazardous decomposition products**
- Under normal conditions of storage and use, hazardous decomposition products should not be produced.
11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Species</th>
<th>Dose</th>
<th>Result</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>Rabbit</td>
<td>&gt;10 g/kg</td>
<td>LD50 Dermal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>4420 mg/kg</td>
<td>LD50 Intraperitoneal</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>5566 mg/kg</td>
<td>LD50 Intravenous</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>LD50 Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>100 mg/kg</td>
<td>LD50 Subcutaneous</td>
<td>-</td>
</tr>
</tbody>
</table>

Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards.

Eyes: Irritating to eyes.

12. Ecological information

Environmental effects: No known significant effects or critical hazards.

Aquatic ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Species</th>
<th>Exposure</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 54000 mg/L</td>
</tr>
<tr>
<td>Triton X-100</td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 531 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 &gt;10 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 6 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 5.38 mg/L</td>
</tr>
<tr>
<td></td>
<td>Mortality</td>
<td>Fish</td>
<td>96 hours</td>
<td>Acute LC50 4.5 mg/L</td>
</tr>
</tbody>
</table>

Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

AERG: Not applicable.

Regulatory information

DOT/ TDG / IMDG/ IATA: Not regulated.
15. Regulatory information

United States

HCS Classification: Irritating material
Target organ effects

U.S. Federal regulations:
TSCA 8(a) PAIR: Triton X-100
United States inventory (TSCA 8b): All components listed.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Glycerin; Triton X-100
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Glycerin: Immediate (acute) health hazard, Delayed (chronic) health hazard; Triton X-100: Immediate (acute) health hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: Sodium hydroxide; Ethylenediamine tetraacetic acid
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations:
Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed: Glycerin
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: The following components are listed:
Glycerin
Rhode Island Hazardous Substances: None of the components are listed.

California Prop. 65
California prop. 65: No products were found.

Canada

WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists:
CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: The following components are listed: Triton X-100
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada inventory: Canada inventory: All components listed.

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

Date of issue: 01/15/2008
15. Regulatory information

International regulations

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements: CAUSES EYE IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire hazard</th>
<th>Physical Hazard</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Flammability

Health 1 0 Instability Special


Date of issue: 01/15/2008
Date of previous issue: 08/15/2007
Version: 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
# Material Safety Data Sheet

## 1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Enzyme Reagent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in</td>
<td>APTIMA CT Assay 301088, APTIMA CT Assay TIGRIS 250-test kit 301199, APTIMA CT Assay TIGRIS 2x50-test kit 302224, APTIMA GC Assay 301091, APTIMA GC Assay TIGRIS 250-test kit 301196, APTIMA GC Assay TIGRIS 2x50-test kit 302225, APTIMA Combo 2 301032, APTIMA Combo 2 TIGRIS 250-test kit 301130, PROGENSA PCA3 Assay Kit CE 302355, PROGENSA PCA3 100-Reaction Kit 302354, PROGENSA PSA 100-Reaction Kit 302357, PCA3/PSA Supplemental Fluids Kit 302030.</td>
</tr>
<tr>
<td>Supplier/Manufacturer</td>
<td>Gen-Probe Incorporated</td>
</tr>
</tbody>
</table>
| 10210 Genetic Center Drive  
San Diego, CA 92121-4362 |
| MSDS #               | 0040               |
| In case of emergency | CANUTEC (613) 996-6666  
CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887 |

## 2. Hazards identification

### Physical state
- Solid. [Lyophilized.]

### OSHA/HCS status
- While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

### Emergency overview
- NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
- No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

### Potential acute health effects
- **Inhalation**: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- **Ingestion**: No known significant effects or critical hazards.
- **Skin**: Slightly irritating to the skin.
- **Eyes**: No known significant effects or critical hazards.

### Potential chronic health effects
- **Chronic effects**: No known significant effects or critical hazards.
- **Carcinogenicity**: No known significant effects or critical hazards.
- **Mutagenicity**: No known significant effects or critical hazards.
- **Teratogenicity**: No known significant effects or critical hazards.
- **Developmental effects**: No known significant effects or critical hazards.
- **Fertility effects**: No known significant effects or critical hazards.

### Over-exposure signs/symptoms
- **Inhalation**: No specific data.
- **Ingestion**: No specific data.
- **Skin**: No specific data.
- **Eyes**: No specific data.
- **Medical conditions aggravated by over-exposure**: None known.

See toxicological information (section 11)

---

**Date of issue**: 01/15/2008
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

| Eye contact                          | Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur. |
| Skin contact                         | Wash with soap and water. Get medical attention if symptoms occur. |
| Inhalation                           | If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear. |
| Ingestion                            | Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear. |
| Protection of first-aiders           | No action shall be taken involving any personal risk or without suitable training. |
| Notes to physician                   | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |

5. Fire-fighting measures

| Flammability of the product          | Non-flammable. |
| Extinguishing media                  | Use an extinguishing agent suitable for the surrounding fire. |
| Suitable                             | None known. |
| Not suitable                         | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides |
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

6. Accidental release measures

| Personal precautions                  | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). |
| Environmental precautions             | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Methods for cleaning up               | Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |

Date of issue : 01/15/2008
6. Accidental release measures

**Large spill**
- Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Large spill

7. Handling and storage

**Handling**
- Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage**
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures**
- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**
- No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures**
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

- **Eyes**
  - Safety glasses.

- **Skin**
  - Lab coat.

- **Respiratory**
  - A respirator is not needed under normal and intended conditions of product use.

- **Hands**
  - Disposable vinyl gloves.

**Personal protective equipment (Pictograms)**

- **HMIS Code/Personal protective equipment**
  - A

**Environmental exposure controls**
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Date of issue: 01/15/2008
9. Physical and chemical properties

**Physical state**: Solid. [Lyophilized.]

**Color**: White to off-white.

**pH**: 7

10. Stability and reactivity

**Stability**: The product is stable.

**Hazardous polymerization**: Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to avoid**: No specific data.

**Materials to avoid**: No specific data.

**Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

**Acute toxicity**

**Inhalation**: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion**: No known significant effects or critical hazards.

**Skin**: Slightly irritating to the skin.

**Eyes**: No known significant effects or critical hazards.

12. Ecological information

**Environmental effects**: No known significant effects or critical hazards.

**Other adverse effects**: No known significant effects or critical hazards.

13. Disposal considerations

**Waste disposal**: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

**AERG**: Not applicable.

**Regulatory information**

**DOT/ TDG / IMDG/ IATA**: Not regulated.
15. Regulatory information

United States

HCS Classification: Not regulated.

U.S. Federal regulations:
- TSCA 8(a) PAIR: Triton X-100
- United States inventory (TSCA 8b): All components listed.
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: N-Acetyl-L-Cysteine
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: N-Acetyl-L-Cysteine: Delayed (chronic) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Sodium hydroxide

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations:
- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Spill: None of the components are listed.
- Massachusetts Substances: None of the components are listed.
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: None of the components are listed.
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: None of the components are listed.
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: None of the components are listed.
- Rhode Island Hazardous Substances: None of the components are listed.

California Prop. 65

California prop. 65: No products were found.

Canada

WHMIS (Canada)

Canadian lists:
- CEPA Toxic substances: None of the components are listed.
- Canadian ARET: None of the components are listed.
- Canadian NPRI: None of the components are listed.
- Alberta Designated Substances: None of the components are listed.
- Ontario Designated Substances: None of the components are listed.
- Quebec Designated Substances: None of the components are listed.

Canada inventory: All components listed.

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

International regulations

International lists:
- This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

Date of issue: 01/15/2008
16. Other information

Label requirements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire hazard</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal protection</td>
<td>4</td>
</tr>
</tbody>
</table>

HAZARD RATINGS

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)


Date of issue: 01/15/2008
Date of previous issue: 08/31/2007
Version: 1.2

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
# Material Safety Data Sheet

## Wash Solution

### 1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Wash Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in</td>
<td>APTIMA HIV-1 RNA Qualitative Assay 302178, APTIMA HCV RNA Qualitative Assay 302179, APTIMA CT Assay 301088, APTIMA GC Assay 301091, APTIMA Combo 2 301032, APTIMA Assay Fluids Kit 302002C, APTIMA Assay Fluids Kit TIGRIS 302382, PROGENSA PCA3 Assay Kit CE 302355, PCA3/PSA Supplemental Fluids Kit 302030.</td>
</tr>
<tr>
<td>Material uses</td>
<td>In vitro diagnostic.</td>
</tr>
<tr>
<td>Supplier/Manufacturer</td>
<td>Gen-Probe Incorporated  \n10210 Genetic Center Drive \nSan Diego, CA 92121-4362</td>
</tr>
<tr>
<td>MSDS #</td>
<td>0041</td>
</tr>
<tr>
<td>In case of emergency</td>
<td>CANUTEC (613) 996-6666 \nCHEMTREC, U.S.: (800) 424-9300 International: (703) 527-3887</td>
</tr>
</tbody>
</table>

### 2. Hazards identification

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid. [Clear.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA/HCS status</td>
<td>While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.</td>
</tr>
<tr>
<td>Emergency overview</td>
<td>NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED. No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.</td>
</tr>
<tr>
<td>Potential acute health effects</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Eyes</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Potential chronic health effects</td>
<td></td>
</tr>
<tr>
<td>Chronic effects</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Developmental effects</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Fertility effects</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Over-exposure signs/symptoms</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Skin</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Eyes</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Medical conditions</td>
<td>None known.</td>
</tr>
<tr>
<td>aggravated by over-exposure</td>
<td></td>
</tr>
</tbody>
</table>

See toxicological information (section 11)
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

- **Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- **Skin contact**: Wash with soap and water. Get medical attention if symptoms occur.
- **Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- **Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- **Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training.
- **Notes to physician**: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

- **Flammability of the product**: Non-flammable.
- **Extinguishing media**
  - **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
  - **Not suitable**: None known.
- **Hazardous thermal decomposition products**: No specific data.
- **Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- **Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- **Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- **Methods for cleaning up**
  - **Small spill**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Date of issue: 01/15/2008
6. Accidental release measures

**Large spill**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

**Large spill**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Large spill

7. Handling and storage

**Handling**

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Eyes**

Safety glasses.

**Skin**

Lab coat.

**Respiratory**

A respirator is not needed under normal and intended conditions of product use.

**Hands**

Disposable vinyl gloves.

**Personal protective equipment (Pictograms)**

![Pictograms]

**HMIS Code/Personal protective equipment**

A
8. Exposure controls/personal protection

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid. [Clear.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Colorless.</td>
</tr>
<tr>
<td>pH</td>
<td>~ 7.5.</td>
</tr>
<tr>
<td>Relative density</td>
<td>~ 1.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible in water.</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

<table>
<thead>
<tr>
<th>Stability</th>
<th>The product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous polymerization</td>
<td>Under normal conditions of storage and use, hazardous polymerization will not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
</tbody>
</table>

11. Toxicological information

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Eyes</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

12. Ecological information

<table>
<thead>
<tr>
<th>Environmental effects</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other adverse effects</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.
14. Transport information

AERG: Not applicable.

DOT/ TDG / IMDG/ IATA: Not regulated.

15. Regulatory information

United States

HCS Classification: United States inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: Sodium hydroxide; Ethylenediamine tetraacetic acid
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations: Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.

California Prop. 65
California prop. 65: No products were found.

Canada

WHMIS (Canada): Not controlled under WHMIS (Canada).

Canadian lists: CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada inventory: Canada inventory: All components listed.

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

International regulations

Date of issue: 01/15/2008
15 . Regulatory information

**International lists**: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

**Label requirements**: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Hazardous Material Information System (U.S.A.)**

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal protection</td>
<td>A</td>
</tr>
</tbody>
</table>

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)**


**Date of issue**: 01/15/2008
**Date of previous issue**: 08/15/2007
**Version**: 1.1

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
1. Product and company identification

**Product name**: Oil Reagent

**Used in**: APTIMA HIV-1 RNA Qualitative Assay 302178, APTIMA HCV RNA Qualitative Assay 302179, APTIMA CT Assay 301088, APTIMA GC Assay 301091, APTIMA Combo 2 301032, APTIMA Assay Fluids Kit 302002C, APTIMA Assay Fluids Kit TIGRIS 302382, PROGENSA PCA3 Assay Kit CE 302355, PCA3/PSA Supplemental Fluids Kit 302030.

**Material uses**: In vitro diagnostic.

**Supplier/Manufacturer**: Gen-Probe Incorporated

10210 Genetic Center Drive
San Diego, CA 92121-4362

**MSDS #**: 0042

**In case of emergency**

- CANUTEC (613) 996-6666
- CHEMTREC, U.S.: (800) 424-9300
- International: (703) 527-3887

2. Hazards identification

**Physical state**: Liquid. [Clear.]

**Odor**: Odorless.

**OSHA/HCS status**: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Emergency overview**: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

**Potential acute health effects**

- **Inhalation**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.
- **Skin**: No known significant effects or critical hazards.
- **Eyes**: No known significant effects or critical hazards.

**Potential chronic health effects**

- **Chronic effects**: No known significant effects or critical hazards.
- **Carcinogenicity**: No known significant effects or critical hazards.
- **Mutagenicity**: No known significant effects or critical hazards.
- **Teratogenicity**: No known significant effects or critical hazards.
- **Developmental effects**: No known significant effects or critical hazards.
- **Fertility effects**: No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

- **Inhalation**: No specific data.
- **Ingestion**: No specific data.
- **Skin**: No specific data.
- **Eyes**: No specific data.
- **Medical conditions aggravated by over-exposure**: None known.

See toxicological information (section 11)
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

- **Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- **Skin contact**: Wash with soap and water. Get medical attention if symptoms occur.
- **Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- **Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- **Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training.
- **Notes to physician**: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

- **Flammability of the product**: Non-flammable.
- **Extinguishing media**:
  - **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
  - **Not suitable**: None known.
- **Hazardous thermal decomposition products**: None known.
- **Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- **Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- **Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- **Methods for cleaning up**
  - **Small spill**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Date of issue : 01/15/2008
6. Accidental release measures

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Large spill:
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection
- Eyes: Safety glasses.
- Skin: Lab coat.
- Respiratory: A respirator is not needed under normal and intended conditions of product use.
- Hands: Disposable vinyl gloves.

Personal protective equipment (Pictograms): ![Pictograms]

HMIS Code/Personal protective equipment: A
8. Exposure controls/personal protection

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Physical state: Liquid. [Clear.]
Color: Colorless.
Odor: Odorless.
Solubility: Insoluble in the following materials: cold water and hot water.

10. Stability and reactivity

Stability: The product is stable.
Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid: No specific data.
Materials to avoid: No specific data.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity
Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Eyes: No known significant effects or critical hazards.

12. Ecological information

Environmental effects: No known significant effects or critical hazards.
Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.
Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.
14. Transport information

AERG : Not applicable.

Regulatory information

DOT / TDG / IMDG / IATA : Not regulated.

15. Regulatory information

United States

HCS Classification : Not regulated.

U.S. Federal regulations : TSCA 8(a) PAIR: Dimethyl silicone and siloxanes
United States inventory (TSCA 8b): All components listed.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations : Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.

California Prop. 65
California prop. 65: No products were found.

Canada

WHMIS (Canada) : Not controlled under WHMIS (Canada).

Canadian lists : CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada inventory : Canada inventory: All components listed.

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

Date of issue : 01/15/2008
15. Regulatory information

International regulations

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Hazardous Material Information System (U.S.A.)

<table>
<thead>
<tr>
<th>Hazardous Material</th>
<th>Health</th>
<th>Fire hazard</th>
<th>Physical Hazard</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>A</td>
</tr>
</tbody>
</table>

HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Hazardous Material Information System (U.S.A.)

Flammability

Health

Instability

Special


Date of issue : 01/15/2008
Date of previous issue : 08/15/2007
Version : 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Material Safety Data Sheet
Buffer for Deactivation Fluid

1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Buffer for Deactivation Fluid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in</td>
<td>APTIMA HIV-1 RNA Qualitative Assay 302178, APTIMA HCV RNA Qualitative Assay 302179, APTIMA CT Assay 301088, APTIMA GC Assay 301091, APTIMA Combo 2 301032, APTIMA Assay Fluids Kit 302002C, APTIMA Assay Fluids Kit TIGRIS 302382, PROGENSA PCA3 Assay Kit CE 302355, PCA3/PSA Supplemental Fluids Kit 302030.</td>
</tr>
<tr>
<td>Material uses</td>
<td>In vitro diagnostic.</td>
</tr>
<tr>
<td>Supplier/Manufacturer</td>
<td>Gen-Probe Incorporated</td>
</tr>
<tr>
<td></td>
<td>10210 Genetic Center Drive</td>
</tr>
<tr>
<td></td>
<td>San Diego, CA 92121-4362</td>
</tr>
<tr>
<td>MSDS #</td>
<td>0043</td>
</tr>
<tr>
<td>In case of emergency</td>
<td>CANUTEC (613) 996-6666 CHEMTREC, U.S.: (800) 424-9300 International: (703) 527-3887</td>
</tr>
</tbody>
</table>

2. Hazards identification

| Physical state | Liquid. [Clear.] |
| OSHA/HCS status | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product. |
| Emergency overview | NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED. No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing. |
| Routes of entry | Dermal contact. Eye contact. Inhalation. Ingestion. |
| Potential acute health effects |
| Inhalation | No known significant effects or critical hazards. |
| Ingestion | No known significant effects or critical hazards. |
| Skin | No known significant effects or critical hazards. |
| Eyes | No known significant effects or critical hazards. |
| Potential chronic health effects |
| Chronic effects | No known significant effects or critical hazards. |
| Carcinogenicity | No known significant effects or critical hazards. |
| Mutagenicity | No known significant effects or critical hazards. |
| Teratogenicity | No known significant effects or critical hazards. |
| Developmental effects | No known significant effects or critical hazards. |
| Fertility effects | No known significant effects or critical hazards. |
| Over-exposure signs/symptoms |
| Inhalation | No specific data. |
| Ingestion | No specific data. |
| Skin | No specific data. |
| Eyes | No specific data. |
| Medical conditions aggravated by over-exposure | None known. |

See toxicological information (section 11)
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to differing non-hazardous components, the products listed in each part number in “Used In” section are not interchangeable. See package insert for product use.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

**Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact**: Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training.

**Notes to physician**: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

**Flammability of the product**: Non-flammable.

**Extinguishing media**
- **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
- **Not suitable**: None known.

**Hazardous thermal decomposition products**: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides.

**Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

**Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**
- **Small spill**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
6. Accidental release measures

**Large spill**
- Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

**Handling**
- Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage**
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures**
- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**
- No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures**
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Eyes**
- Safety glasses.

**Skin**
- Lab coat.

**Respiratory**
- A respirator is not needed under normal and intended conditions of product use.

**Hands**
- Disposable vinyl gloves.

**Personal protective equipment (Pictograms)**

**HMIS Code/Personal protective equipment**
- A
8. Exposure controls/personal protection

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Physical state: Liquid. [Clear.]
Color: Colorless.

pH: ~ 9.3.
Relative density: ~ 1.

10. Stability and reactivity

Stability: The product is stable.
Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid: No specific data.
Materials to avoid: No specific data.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity
Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Eyes: No known significant effects or critical hazards.

12. Ecological information

Environmental effects: No known significant effects or critical hazards.
Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal should be in accordance with applicable regional, national and local laws and regulations.
Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.
14. Transport information

AERG: Not applicable.

DOT/ TDG / IMDG/ IATA: Not regulated.

15. Regulatory information

United States

HCS Classification: United States inventory (TSCA 8b): All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: Sodium hydroxide; Sodium Hypochlorite
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations:
Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.

Canada

WHMIS (Canada): Not controlled under WHMIS (Canada).
Canadian lists:
CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada inventory: Canada inventory: All components listed.

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

International regulations

Date of issue: 01/15/2008
15. Regulatory information

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Label requirements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Hazardous Material Information System (U.S.A.):

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire hazard</th>
<th>Physical Hazard</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>A</td>
</tr>
</tbody>
</table>

HAZARD RATINGS

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.):


Date of issue: 01/15/2008
Date of previous issue: 08/15/2007
Version: 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.