SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>BaseScope™ AMP 5 - Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No</td>
<td>322916</td>
</tr>
</tbody>
</table>

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Identified uses: For Research Use Only. Not for diagnostic use.

1.3 Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Advanced Cell Diagnostics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>7707 Gateway Blvd</td>
</tr>
<tr>
<td>City</td>
<td>Newark</td>
</tr>
<tr>
<td>State</td>
<td>CA</td>
</tr>
<tr>
<td>Zip Code</td>
<td>94560</td>
</tr>
<tr>
<td>Telephone</td>
<td>(510) 576-8800</td>
</tr>
</tbody>
</table>

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification [EC 1272/2008]

- Physical and Chemical: Not classified
- Human health: Skin Sens. 1 – H317
- Environment: Not classified


The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2 Label elements

Contains: METHYL-2H or METHYL-4 (3:1) Mixture of EC No. 220-239-6

Label in Accordance with [EC] No. 1272/2008

Signal Word: Warning

Hazard Statements:

- H317: May cause an allergic skin reaction.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P501: Dispose of contents/container in accordance with national regulations.

Precautionary Statements:

Supplementary Precautionary Statements:

- P272: Contaminated work clothing should not be allowed out of the workplace.
- P261: Avoid breathing vapor/spray.
- P321: Specific treatment (see medical advice on this label.)
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P333+P313: IF skin irritation or rash occurs: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.

2.3 Other Hazards

Not classified as PBT/vPvB by current EU criteria.
BaseScope™ AMP 5 - Red

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>METHYL-2H or METHYL-4 (3:1) Mixture of EC No. 220-239-6</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Acute Tox. 3 – H301</td>
<td>Acute Tox. 3 – H311</td>
<td>Acute Tox. 3 – H331</td>
<td>Skin Corr. 1 – H314</td>
<td>Skin Sens. 1 – H317</td>
</tr>
<tr>
<td>&lt; 1%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide Solution</td>
<td>7722-84-1</td>
<td>231-765-0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Ox. Liq. 1 – H271</td>
<td>Acute Tox. 4 – H302</td>
<td>Acute Tox. 4 – H332</td>
<td>Skin Corr. 1A – H314</td>
<td>STOT SE 3 – H335</td>
</tr>
<tr>
<td></td>
<td>R5</td>
<td>O:R8</td>
<td>C:R35</td>
<td>Xn:R20/22</td>
<td></td>
</tr>
</tbody>
</table>

The full text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID AND MEASURES

4.1 Description of first aid measures

**General Information**
Treat symptomatically.

**Inhalation**
Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion**
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Skin Contact**
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye Contact**
Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Skin contact
May cause skin sensitization.

4.3 Indication of any immediate medical attention and special treatment needed.
Treat Symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

**Extinguishing Media**
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products**
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
5.3 **Advice for firefighters**

**Special Fire Fighting Procedures**
No specific firefighting procedure given.

**Protective equipment for firefighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures**
Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 **Environmental Precautions**
Avoid discharge into drains, water courses or onto the ground.

6.3 **Methods and material for containment and cleaning up**
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

6.4 **Reference to other sections**
Wear protective clothing as described in Section 8 of this safety data sheet.

### SECTION 7: HANDLING AND STORAGE

7.1 **Precautions for safe handling**
Avoid spilling, skin and eye contact.

7.2 **Conditions for safe storage, including any incompatibilities**
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

**Storage class**
Chemical storage.

7.3 **Specific end user(s)**
The identified uses for this product are detained in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control Parameters**
**Ingredient Comments**
WEL = Workplace Exposure Limit

8.2 **Exposure controls**
Protective equipment

- **Engineering measures**
  Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

- **Respiratory Equipment**
  No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

- **Hand Protection**
  Use suitable protective gloves if risk of skin contact.

- **Eye Protection**
  If risk of splashing, wear safety goggles or face shield.

- **Other Protection**
  Wear appropriate clothing to prevent any possibility of skin contact.

- **Hygiene measures**
  DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 **Information on basic physical and chemical properties**
**Appearance**
Liquid

9.2 **Other information**
Not available

### SECTION 10: STABILITY AND REACTIVITY

10.1 **Reactivity**
There are no known reactivity hazards associated with this product.

10.2 Chemical stability
Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions
Not available.

10.4 Conditions to avoid
Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidizers. Avoid contact with strong reducing agents.

10.5 Incompatible Materials
Materials to avoid
Strong oxidizing substances. Strong reducing agents.

10.6 Hazardous decomposition products
In case of fire, toxic gases (CO, CO₂, NOx) may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Toxicological information
No information available.

Health warnings
INHALATION: In high concentrations, vapors may irritate throat and respiratory system and cause coughing. INGESTION: May cause discomfort if swallowed. SKIN CONTACT: Liquid may irritate skin. EYE CONTACT: Spray and vapor in the eyes may cause irritation and smarting.

Toxicological information on ingredients.
HYDROGEN PEROXIDE SOLUTION ... % (CAS: 7722-84-1)

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity
Not regarded as dangerous for the environment.

12.1 Toxicity
No data available.

12.2 Persistence and degradability
Degradability
No data available

12.3 Bio accumulative potential
Bio accumulative potential
No data available on bioaccumulation

12.4 Mobility in soil
Mobility
No data available
Surface tension
Not determined.

12.5 Results of PBT and vPvB assessment
Not classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects
Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.
**SECTION 14: TRANSPORT INFORMATION**

| Road Transport Notes | Not classified. |
| Rail Transport Notes | Not classified. |
| Sea Transport Notes | Not classified. |
| Air Transport Notes | Not classified. |

14.1 UN Number  
Not applicable.

14.2 UN proper shipping name  
Not applicable.

14.3 Transport hazard class(es)  
Not applicable.

14.4 Packing group  
Not applicable.

14.5 Environmental hazards  
Environmentally Hazardous Substance/Marine Pollutant  
No

14.6 Special precautions for user  
Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
Not applicable.

**SECTION 15: REGULATORY INFORMATION**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments  

Approved Code of Practice  
Classification and Labelling of Substances and Preparations Dangerous for Supply, Safety Data Sheets for Substances and Preparations.

Guidance Notes  
Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation  


15.2 Chemical Safety Assessment  
No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

**Risk Phrases in Full**

R34  Causes burns.
R35  Causes severe burns.
R8  Contact with combustible material may cause fire.
R20/22  Harmful by inhalation and if swallowed.
R5  Heating may cause an explosion.
R37  Irritating to respiratory system.
R43  May cause sensitization by skin contact.
R23/24/25  Toxic by inhalation, in contact with skin and if swallowed.
R50/53  Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
# BaseScope™ AMP 5 - Red

## Hazard Statements in Full

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H271</td>
<td>May cause fire or explosion; strong oxidizer.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long-lasting effects.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
</tbody>
</table>

## Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.