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

1.1 Product Identifier
Product Name: BaseScope™ Duplex AMP 6
Product No: 323816

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: For Research Use Only. Not for diagnostic use.

Details of the supplier of the safety data sheet
Supplier: Advanced Cell Diagnostics
7707 Gateway Blvd.
Newark, CA 94560
Tel: (510) 576-8800

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification (EC 1272/2008):
- Physical and Chemical: Not classified
- Human health: Not classified
- Environment: Not classified

Classification (1999/45/EEC): 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.
Precautionary Statements: P280 Wear protective gloves/protective clothing/eye protection/face protection;
P501 Dispose of contents/container in accordance with national regulations.
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.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>CAS-No: 55965-84-9</th>
<th>EC No.:</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL-2H or METHYL-4 (3:1) Mixture of EC No. 220-239-6</td>
<td></td>
<td>&lt; 1%</td>
</tr>
</tbody>
</table>

Classification (EC 1272/2008)          Classification (67/548/EEC)
Acute Tox. 3 – H301                  T;R23/24/25
Acute Tox. 3 – H311                  C;R34
Acute Tox. 3 – H331                  R43
Skin Corr. 1B – H314                N;R50/53
Skin Sens. 1 – H317
Aquatic Acute 1 – H400
Aquatic Chronic 1 – H410

The full test 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

**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**
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. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

**General information**
No specific information.

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 fire fighters

**Special Fire Fighting Procedures**
No specific fire fighting procedure given.

**Protective equipment for fire fighters**
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

Do not 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
   Keep container tightly closed. Keep container in a cool, well-ventilated area.

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
   No exposure limits noted for ingredient(s).

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
   No specific 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 determined.

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
   Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
   Toxicological information
   No data on the toxicity of the formulation are available. The classification of the formulation is calculated based on the composition of hazardous components.
   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.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity
   Not regarded as dangerous for the environment.

12.1 Toxicity
   Acute Fish Toxicity
   Not considered toxic to fish.

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.
   Adsorption/Desorption Coefficient
   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

General Information
   Waste is classified as hazardous waste. Dispose to licensed waste disposal site in accordance with the local Waste Disposal Authority.

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 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.
R61   May cause sensitization by skin contact.
NC   Not classified.
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.

Hazard Statements in Full
H314   Causes skin irritation
H317   May cause an allergic skin reaction.
H331   Toxic if inhaled.
H301   Toxic if swallowed.
H311   Toxic in contact with skin.
H410   Very toxic to aquatic life with long-lasting effects.
H400   Very toxic to aquatic life.

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.