Material Safety Data Sheet

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

1.1 Product identifier
   Product Name: FiberProbes® BRCA2
   Reference: BRCA2-HYB-001-RU

1.2 Relevant identified uses of the substance or mixture and uses advised again
   Relevant identified uses: Fluorescent hybridization on DNA stretched by Molecular Combing.

1.3 Details of the manufacturer and supplier of the safety data sheet
   Genomic Vision S.A.
   Bât. E, Green Square
   80-84 rue des meuniers
   92220 Bagneux - France
   Email: support@genomicvision.com
   Tel: +33 (0)1 49 08 07 40
   Fax: +33 (0)1 49 08 07 41

1.4 Emergency telephone number
   ORFILA (INRS): + 33 (0)1 45 42 59 59

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.2 Label elements
   The product does not require specific labeling according to the EC Directives and according to the national regulations of the concerned country.

2.3 Other hazards
   No other hazards identified. No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
   Not applicable, the product is not a substance.
### 3.2 Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>N° CAS</th>
<th>Range (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labeled FiberProbes® BRCA2</td>
<td>Not available</td>
<td>≤ 1</td>
</tr>
<tr>
<td>Deoxyribonucleic acid (DNA)</td>
<td>9007-49-2</td>
<td>≤ 1</td>
</tr>
<tr>
<td>20x SSC</td>
<td>Not available</td>
<td>2-20</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>≤ 1</td>
</tr>
<tr>
<td>Sodium Dodecyl Sulfate</td>
<td>151-21-3</td>
<td>≤ 1</td>
</tr>
<tr>
<td>Sodium lauroyl sarcosinate, sodium salt</td>
<td>137-16-6</td>
<td>≤ 1</td>
</tr>
<tr>
<td>BlockAid™ blocking solution</td>
<td>54-64-8</td>
<td>20-60</td>
</tr>
</tbody>
</table>

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of the first aid measures

**General notes**
Consult a physician. Present this Material Safety Data Sheet to your physician.

**Following inhalation**
Ensure supply of fresh air.

**Following skin contact**
Wash off immediately with water. Remove contaminated clothes immediately.

**Following contact**
Separate eyelids, wash the eyes thoroughly with water.

**Following ingestion**
Summon a doctor immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**Self-protection of the first aider**
None required. Use normal protective gloves, glasses and clothing.

#### 4.2 Most important symptoms and effects, both acute and delayed
No data available

#### 4.3 Indications of any immediate medical attention and special treatment needed
No data available

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media
Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas

#### 5.2 Special hazard arising from the substance or mixture
No Data available
5.3 Advice for firefighters
   Use self-contained breathing apparatus. Wear protective clothing

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal protections, protective equipment and emergency procedures
   Use Personal protective equipment (PPE) and appropriate method to rapidly clean the spill of the mixture.

6.2 Environmental precautions
   Do not discharge into drains/surface water/groundwater. Do not discharge into the subsoil/soil

6.3 Methods and material for containment and cleaning up
   In case of small spill, dilute in water and wipe or absorb with an inert dry material. In case of large spill, absorb with an inert dry material. Preserve in bowls adapted and closed for the elimination. Clean the contaminated zone.

6.4 Reference to other sections
   For disposal, see section 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
   This mixture has to be handle by people who were trained to the techniques of laboratory. The mixture has to be used according to the best practice of laboratory.

7.2 Conditions for safe storage, including any incompatibilities
   Keep container tightly closed at 20°C protected from the light in case of non-use. Transport in dry ice.

7.3 Specific end use(s)
   No data available

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 Control parameters
   Components with exposure limit values professional
   Does not contain substances with exposure limit values professional: none of the components of the mixture is listed by the INRS.

8.2 Exposure controls
   Appropriate engineering controls
   To be manipulated according to best practice of laboratory. As all the chemical substances, he must be considered potentially dangerous, carry protective clothing adapted lab coat, safety glasses and protective gloves during the manipulation of the mixture.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
   a) Appearance: Colorless liquid
   b) Odour: Data not available
9.2 Other information
Data not available

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity
Data not available.

10.2 Chemical stability
The mixture is stable when it is kept in the recommended conditions.

10.3 Possibility of hazardous reactions
Data not available

10.4 Conditions to avoid
Avoid the excessive heat and the exposure in the light.

10.5 Incompatible materials
Incompatible with powerful oxidizing and reducing agents, acids and strong bases.

10.6 Hazardous decomposition products
Data not available

SECTION 11 : TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
Data not available

Skin corrosion/irritation
Data not available
Serious eye damage/irritation
Data not available

Respiratory or skin sensitisation
Data not available

Germ cell mutagenicity
Data not available

Carcinogenicity
None of the components of the mixture is listed by the IARC

Reproduction toxicity
Data not available

Stot-single exposure
Data not available

Stot-repeated exposure
Data not available

Aspiration hazard
Data not available

SECTION 12 : INFORMATIONS ÉCOLOGIQUES

12.1 Toxicity
Data not available

12.2 Persistence and degradability
Data not available

12.3 Bioaccumulative potential
Data not available

12.4 Mobility in soil
Data not available

12.5 Results of PBT and vPvB assessment
Data not available

12.6 Other adverse effects
Data not available

12.7 Additional information
Data not available
SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product disposal
The chemical residues are generally considered as special waste. Contact a company specialized in the disposal of chemical waste to proceed to the elimination of this product.

Packaging disposal:
Disposal according to the local legal regulations. The contaminated packaging must be eliminated in the same way as the product itself.

SECTION 14: TRANSPORT INFORMATIONS

Not subjected to the transport regulations.

SECTION 15: REGULATORY INFORMATIONS

This safety data sheet is in compliance with the requirements of the Regulation (CE) N°272/2008.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Data not available.

15.2 Chemical safety assessment
No chemical safety assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text. Genomic Vision S.A cannot be held responsible for damage resulting from the use or from any contact with this product.