

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

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### 1.1 Product identifier

Product Name : FiberProbes® BRCA1  
Reference : BRCA1-HYB-001-RU

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

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

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### 2.1 Classification of the substance or mixture

Non-hazardous mixture according to the European Directive CE 1999/45/CE and Regulation (EC) N° 1272/2008 relative to classification, labelling and packaging of substances and mixtures,

### 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

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### 3.1 Substances

Not applicable, the product is not a substance.

### 3.2 Mixture

Name	N° CAS	Range (%)
Labeled FiberProbes® BRCA1	Not available	≤ 1
Deoxyribonucleic acid (DNA)	9007-49-2	≤ 1
20x SSC	Not available	2-20
Sodium chloride	7647-14-5	≤ 1
Sodium Dodecyl Sulfate	151-21-3	≤ 1
Sodium lauroyl sarcosinate, sodium salt	137-16-6	≤ 1
BlockAid™ blocking solution	54-64-8	20-60

## SECTION 4 : FIRST AID MEASURES

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### 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

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### 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 REALEASE MEASURES

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### 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

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### 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

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### 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

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### 9.1 Information on basic physical and chemical properties

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|-----------------|--------------------|
| a) Appearance : | Colorless liquid   |
| b) Odour :      | Data not available |

c) Odour threshold:	Data not available
d) pH :	Data not available
e) Melting point/freezing point	Data not available
f) Initial boiling point and boiling range :	
g) Flash point :	Data not available
h) Evaporation rates :	Data not available
i) Flammability :	Data not available
j) Upper/lower flammability or explosive limits :	Data not available
k) Vapour pressure :	Data not available
l) Vapour density :	Data not available
m) Relative density :	Data not available
n) Solubility :	Data not available
o) Partition coefficient: n-octano/water :	Data not available
p) Auto-ignition temperature :	Data not available
q) Decomposition temperature :	Data not available
r) Viscosity :	Data not available
s) Explosive properties :	Data not available
t) Oxidising properties :	Data not available

## 9.2 Other information

Data not available

## SECTION 10 : STABILITY AND REACTIVITY

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### 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

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### 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

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**SECTION 12 : INFORMATIONS ÉCOLOGIQUES**

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**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

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## SECTION 13 : DISPOSAL CONSIDERATIONS

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### 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

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Not subjected to the transport regulations.

## SECTION 15 : REGULATORY INFORMATIONS

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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

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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.