

# SAFETY DATA SHEET



GenetiSure Dx Hybridization Kit, Part Number K1201-64200

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : GenetiSure Dx Hybridization Kit, Part Number K1201-64200  
**Part No. (Kit)** : K1201-64200  
**Part No.** : 2X CGH Hybridization Buffer 5190-7320  
10X Oligo aCGH Blocking Agent Lyophilized 5190-7319

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

| Identified uses                           |                      |
|---|----------------------|
| For In Vitro Diagnostic Use               |                      |
| 2X CGH Hybridization Buffer               | 1.4 ml               |
| 10X Oligo aCGH Blocking Agent Lyophilized | RCNS X 1.35 ml water |

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : 2X CGH Hybridization Buffer Mixture  
10X Oligo aCGH Blocking Agent Lyophilized Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

##### 2X CGH Hybridization Buffer

H315 SKIN CORROSION/IRRITATION - Category 2  
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

##### 10X Oligo aCGH Blocking Agent Lyophilized

H315 SKIN CORROSION/IRRITATION - Category 2  
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2  
H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

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## SECTION 2: Hazards identification

|   |  |   |
|---|--|---|
| <b>Ingredients of unknown toxicity</b>    | : 2X CGH Hybridization Buffer<br><br>10X Oligo aCGH Blocking Agent Lyophilized | Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 10 - 30%<br>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%<br>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%<br>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 30 - 60%<br>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: > 60%<br>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 30 - 60% |
| <b>Ingredients of unknown ecotoxicity</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized     | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 6.4%<br>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 34.4%   |

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

|                                 |  |  |
|---------------------------------|--|--|
| <b>Hazard pictograms</b>        | : 2X CGH Hybridization Buffer<br><br>10X Oligo aCGH Blocking Agent Lyophilized | <br><br>  |
| <b>Signal word</b>              | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized     | Warning<br>Warning   |
| <b>Hazard statements</b>        | : 2X CGH Hybridization Buffer<br><br>10X Oligo aCGH Blocking Agent Lyophilized | H319 - Causes serious eye irritation.<br><br>H315 - Causes skin irritation.<br>H319 - Causes serious eye irritation.<br><br>H315 - Causes skin irritation.<br>H335 - May cause respiratory irritation.   |
| <b>Precautionary statements</b> |  |  |
| <b>Prevention</b>               | : 2X CGH Hybridization Buffer<br><br>10X Oligo aCGH Blocking Agent Lyophilized | P280 - Wear protective gloves. Wear eye or face protection.<br><br>P264 - Wash hands thoroughly after handling.<br>P280 - Wear protective gloves. Wear eye or face protection.<br><br>P261 - Avoid breathing dust.   |
| <b>Response</b>                 | : 2X CGH Hybridization Buffer<br><br>10X Oligo aCGH Blocking Agent Lyophilized | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. |

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## SECTION 2: Hazards identification

|   |  |   |
|---|--|---|
| <b>Storage</b>  | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Not applicable.<br>P405 - Store locked up.  |
| <b>Disposal</b>   | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Not applicable.<br>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| <b>Hazardous ingredients</b>  | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Not applicable.<br>- 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride  |
| <b>Supplemental label elements</b>  | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Not applicable.<br>Not applicable.  |
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Not applicable.<br>Not applicable.  |
| <b>Special packaging requirements</b>   |  |   |
| <b>Tactile warning of danger</b>  | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Not applicable.<br>Not applicable.  |

### 2.3 Other hazards

|  |  |                            |
|--|--|----------------------------|
| <b>Other hazards which do not result in classification</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | None known.<br>None known. |
|--|--|----------------------------|

## SECTION 3: Composition/information on ingredients

|                       |  |                    |
|-----------------------|--|--------------------|
| <b>3.1 Substances</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Mixture<br>Mixture |
|-----------------------|--|--------------------|

| Product/ingredient name  | Identifiers                       | %   | Regulation (EC) No. 1272/2008 [CLP]   | Type |
|--|-----------------------------------|-----|---|------|
| <b>2X CGH Hybridization Buffer</b><br>4-Morpholineethanesulfonic acid, hydrate (1:1) | EC: 224-632-3<br>CAS: 145224-94-8 | ≤10 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335                          | [1]  |
| Lithium chloride   | EC: 231-212-3<br>CAS: 7447-41-8   | ≤10 | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                       | [1]  |
| Lithium dodecyl sulphate   | EC: 218-058-2<br>CAS: 2044-56-6   | ≤3  | Flam. Sol. 1, H228<br>Acute Tox. 4, H302<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315 | [1]  |

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**SECTION 3: Composition/information on ingredients**

|  |                                 |           |   |         |
|--|---------------------------------|-----------|---|---------|
| Polyoxyethylene octyl phenyl ether   | CAS: 9002-93-1                  | ≤2        | Eye Dam. 1, H318<br>STOT SE 3, H335<br>Aquatic Chronic 3, H412<br>Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318                 | [1] [5] |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyloxy)-1-disiloxanyl]propyl] ether | CAS: 134180-76-0                | ≤1.5      | Aquatic Chronic 2, H411<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412                            | [1]     |
| <b>10X Oligo aCGH Blocking Agent Lyophilized</b><br>2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride             | EC: 214-684-5<br>CAS: 1185-53-1 | ≥25 - ≤50 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br><br><b>See Section 16 for the full text of the H statements declared above.</b> | [1]     |

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.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

|                    |   |  |
|--------------------|---|--|
| <b>Eye contact</b> | : 2X CGH Hybridization Buffer             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.  |
|                    | 10X Oligo aCGH Blocking Agent Lyophilized | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.  |
| <b>Inhalation</b>  | : 2X CGH Hybridization Buffer             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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. |
|                    | 10X Oligo aCGH Blocking Agent Lyophilized | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide  |

## SECTION 4: First aid measures

|                                   |   |   |
|-----------------------------------|---|---|
|                                   |   | artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.   |
| <b>Skin contact</b>               | : 2X CGH Hybridization Buffer             | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |
|                                   | 10X Oligo aCGH Blocking Agent Lyophilized | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |
| <b>Ingestion</b>                  | : 2X CGH Hybridization Buffer             | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
|                                   | 10X Oligo aCGH Blocking Agent Lyophilized | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Protection of first-aiders</b> | : 2X CGH Hybridization Buffer             | 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.  |
|                                   | 10X Oligo aCGH Blocking Agent Lyophilized | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.  |

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

## SECTION 4: First aid measures

|                     |  |  |
|---------------------|--|--|
| <b>Eye contact</b>  | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Causes serious eye irritation.<br>Causes serious eye irritation.                                       |
| <b>Inhalation</b>   | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards.<br>May cause respiratory irritation.                 |
| <b>Skin contact</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Causes skin irritation.<br>Causes skin irritation.   |
| <b>Ingestion</b>    | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |

### Over-exposure signs/symptoms

|                     |  |  |
|---------------------|--|--|
| <b>Eye contact</b>  | : 2X CGH Hybridization Buffer<br><br>10X Oligo aCGH Blocking Agent Lyophilized | Adverse symptoms may include the following:<br><br>pain or irritation<br>watering<br>redness<br>Adverse symptoms may include the following:<br><br>pain or irritation<br>watering<br>redness |
| <b>Inhalation</b>   | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized     | No specific data.<br>Adverse symptoms may include the following:<br><br>respiratory tract irritation<br>coughing   |
| <b>Skin contact</b> | : 2X CGH Hybridization Buffer<br><br>10X Oligo aCGH Blocking Agent Lyophilized | Adverse symptoms may include the following:<br><br>irritation<br>redness<br>Adverse symptoms may include the following:<br><br>irritation<br>redness   |
| <b>Ingestion</b>    | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized     | No specific data.<br>No specific data.   |

### 4.3 Indication of any immediate medical attention and special treatment needed

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## SECTION 4: First aid measures

|                            |   |   |
|----------------------------|---|---|
| <b>Notes to physician</b>  | : 2X CGH Hybridization Buffer             | 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. |
|                            | 10X Oligo aCGH Blocking Agent Lyophilized | 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. |
| <b>Specific treatments</b> | : 2X CGH Hybridization Buffer             | No specific treatment.  |
|                            | 10X Oligo aCGH Blocking Agent Lyophilized | No specific treatment.  |

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|                                       |   |   |
|---------------------------------------|---|---|
| <b>Suitable extinguishing media</b>   | : 2X CGH Hybridization Buffer             | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | 10X Oligo aCGH Blocking Agent Lyophilized | Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : 2X CGH Hybridization Buffer             | None known.   |
|                                       | 10X Oligo aCGH Blocking Agent Lyophilized | None known.   |

### 5.2 Special hazards arising from the substance or mixture

|  |   |   |
|--|---|---|
| <b>Hazards from the substance or mixture</b> | : 2X CGH Hybridization Buffer             | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|  | 10X Oligo aCGH Blocking Agent Lyophilized | No specific fire or explosion hazard.   |
| <b>Hazardous combustion products</b>         | : 2X CGH Hybridization Buffer             | Decomposition products may include the following materials:<br><br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>halogenated compounds<br>metal oxide/oxides |
|  | 10X Oligo aCGH Blocking Agent Lyophilized | Decomposition products may include the following materials:<br><br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>phosphorus oxides<br>halogenated compounds                   |

### 5.3 Advice for firefighters

|  |   |   |
|--|---|---|
| <b>Special precautions for fire-fighters</b> | : 2X CGH Hybridization Buffer             | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
|  | 10X Oligo aCGH Blocking Agent Lyophilized | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |

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## SECTION 5: Firefighting measures

|   |   |   |
|---|---|---|
| <b>Special protective equipment for fire-fighters</b> | : 2X CGH Hybridization Buffer             | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
|   | 10X Oligo aCGH Blocking Agent Lyophilized | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

|                                    |   |   |
|------------------------------------|---|---|
| <b>For non-emergency personnel</b> | : 2X CGH Hybridization Buffer             | 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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|                                    | 10X Oligo aCGH Blocking Agent Lyophilized | 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 spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.                                 |
| <b>For emergency responders</b>    | : 2X CGH Hybridization Buffer             | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
|                                    | 10X Oligo aCGH Blocking Agent Lyophilized | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |

### 6.2 Environmental precautions

|   |   |
|---|---|
| : 2X CGH Hybridization Buffer             | Avoid dispersal of spilt 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). |
| 10X Oligo aCGH Blocking Agent Lyophilized | Avoid dispersal of spilt 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). |

### 6.3 Methods and material for containment and cleaning up

|                                |   |   |
|--------------------------------|---|---|
| <b>Methods for cleaning up</b> | : 2X CGH Hybridization Buffer             | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
|                                | 10X Oligo aCGH Blocking Agent Lyophilized | Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.   |



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## SECTION 6: Accidental release measures

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

|   |   |  |
|---|---|--|
| <b>Protective measures</b>                    | : 2X CGH Hybridization Buffer             | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour 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.   |
|   | 10X Oligo aCGH Blocking Agent Lyophilized | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. |
| <b>Advice on general occupational hygiene</b> | : 2X CGH Hybridization Buffer             | 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
|   | 10X Oligo aCGH Blocking Agent Lyophilized | 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |

### 7.2 Conditions for safe storage, including any incompatibilities

|                |   |  |
|----------------|---|--|
| <b>Storage</b> | : 2X CGH Hybridization Buffer             | 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.                  |
|                | 10X Oligo aCGH Blocking Agent Lyophilized | 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. Store locked up. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |

### 7.3 Specific end use(s)

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## SECTION 7: Handling and storage

|   |  |  |
|---|--|--|
| <b>Recommendations</b>                      | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Industrial applications, Professional applications.<br>Industrial applications, Professional applications. |
| <b>Industrial sector specific solutions</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent Lyophilized | Not applicable.<br>Not applicable.   |

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

**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. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour 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.

#### Individual protection measures

**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.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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## SECTION 8: Exposure controls/personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|  |   |                                  |
|--|---|----------------------------------|
| <b>Physical state</b>                          | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Liquid.<br>Solid. [lyophilized]  |
| <b>Colour</b>                                  | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |
| <b>Odour</b>                                   | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |
| <b>Odour threshold</b>                         | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |
| <b>pH</b>                                      | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | 6.1<br>Not available.            |
| <b>Melting point/freezing point</b>            | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |
| <b>Initial boiling point and boiling range</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |
| <b>Flash point</b>                             | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |

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## SECTION 9: Physical and chemical properties

|   |   |   |
|---|---|---|
| <b>Evaporation rate</b>                             | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Flammability (solid, gas)</b>                    | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not applicable.<br>Not available.                                 |
| <b>Upper/lower flammability or explosive limits</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Vapour pressure</b>                              | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Vapour density</b>                               | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Relative density</b>                             | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Solubility(ies)</b>                              | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Soluble in the following materials: cold water.<br>Not available. |
| <b>Partition coefficient: n-octanol/water</b>       | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Auto-ignition temperature</b>                    | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Decomposition temperature</b>                    | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |
| <b>Viscosity</b>                                    | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available.                                  |

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## SECTION 9: Physical and chemical properties

|                             |   |                                  |
|-----------------------------|---|----------------------------------|
| <b>Explosive properties</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |
| <b>Oxidising properties</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Not available.<br>Not available. |

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

|  |   |  |
|--|---|--|
| <b>10.1 Reactivity</b>                         | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | No specific test data related to reactivity available for this product or its ingredients.<br>No specific test data related to reactivity available for this product or its ingredients.                     |
| <b>10.2 Chemical stability</b>                 | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | The product is stable.<br>The product is stable.   |
| <b>10.3 Possibility of hazardous reactions</b> | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.   |
| <b>10.4 Conditions to avoid</b>                | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | No specific data.<br>No specific data.   |
| <b>10.5 Incompatible materials</b>             | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | May react or be incompatible with oxidising materials.<br>May react or be incompatible with oxidising materials.   |
| <b>10.6 Hazardous decomposition products</b>   | : 2X CGH Hybridization Buffer<br>10X Oligo aCGH Blocking Agent<br>Lyophilized | Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name  | Result                          | Species | Dose        | Exposure |
|--|---------------------------------|---------|-------------|----------|
| <b>2X CGH Hybridization Buffer</b>   |                                 |         |             |          |
| Lithium chloride   | LD50 Dermal                     | Rabbit  | 1629 mg/kg  | -        |
|  | LD50 Dermal                     | Rat     | 1488 mg/kg  | -        |
|  | LD50 Oral                       | Rat     | 526 mg/kg   | -        |
| Lithium dodecyl sulphate   | LD50 Oral                       | Rat     | >5000 mg/kg | -        |
| Polyoxyethylene octyl phenyl ether   | LD50 Oral                       | Rat     | 1800 mg/kg  | -        |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxany]propyl] ether | LC50 Inhalation Dusts and mists | Rat     | 1.08 mg/l   | 4 hours  |
|  | LD50 Dermal                     | Rabbit  | 1550 mg/kg  | -        |
|  | LD50 Oral                       | Rat     | 3200 mg/kg  | -        |

#### Acute toxicity estimates

| Route                              | ATE value     |
|------------------------------------|---------------|
| <b>2X CGH Hybridization Buffer</b> |               |
| Oral                               | 5883.4 mg/kg  |
| Dermal                             | 91553.3 mg/kg |
| Inhalation (dusts and mists)       | 29.51 mg/l    |

#### Irritation/Corrosion

| Product/ingredient name  | Result                   | Species | Score | Exposure                 | Observation |
|--|--------------------------|---------|-------|--------------------------|-------------|
| <b>2X CGH Hybridization Buffer</b>   |                          |         |       |                          |             |
| Lithium chloride   | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams  | -           |
|  | Skin - Severe irritant   | Rabbit  | -     | 24 hours 500 milligrams  | -           |
| Polyoxyethylene octyl phenyl ether   | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 10 microliters  | -           |
|  | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 microliters | -           |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxany]propyl] ether | Skin - Mild irritant     | Rabbit  | -     | -                        | -           |
|  | Eyes - Severe irritant   | Rabbit  | -     | -                        | -           |

#### Sensitiser

| Product/ingredient name  | Route of exposure | Species    | Result          |
|--|-------------------|------------|-----------------|
| <b>2X CGH Hybridization Buffer</b>   |                   |            |                 |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxany]propyl] ether | skin              | Guinea pig | Not sensitizing |

#### Specific target organ toxicity (single exposure)

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## SECTION 11: Toxicological information

| Product/ingredient name   | Category   | Route of exposure | Target organs                |
|---|------------|-------------------|------------------------------|
| <b>2X CGH Hybridization Buffer</b><br>4-Morpholineethanesulfonic acid, hydrate (1:1)          | Category 3 | Not applicable.   | Respiratory tract irritation |
| Lithium dodecyl sulphate  | Category 3 | Not applicable.   | Respiratory tract irritation |
| <b>10X Oligo aCGH Blocking Agent Lyophilized</b><br>10X Oligo aCGH Blocking Agent Lyophilized | Category 3 | Not applicable.   | Respiratory tract irritation |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride                                       | Category 3 | Not applicable.   | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

: 2X CGH Hybridization Buffer  
10X Oligo aCGH Blocking Agent Lyophilized

Routes of entry anticipated: Oral, Dermal, Inhalation.

Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

#### Inhalation

: 2X CGH Hybridization Buffer  
10X Oligo aCGH Blocking Agent Lyophilized

No known significant effects or critical hazards.

May cause respiratory irritation.

#### Ingestion

: 2X CGH Hybridization Buffer  
10X Oligo aCGH Blocking Agent Lyophilized

No known significant effects or critical hazards.

No known significant effects or critical hazards.

#### Skin contact

: 2X CGH Hybridization Buffer  
10X Oligo aCGH Blocking Agent Lyophilized

Causes skin irritation.

Causes skin irritation.

#### Eye contact

: 2X CGH Hybridization Buffer  
10X Oligo aCGH Blocking Agent Lyophilized

Causes serious eye irritation.

Causes serious eye irritation.

### Symptoms related to the physical, chemical and toxicological characteristics

#### Inhalation

: 2X CGH Hybridization Buffer  
10X Oligo aCGH Blocking Agent Lyophilized

No specific data.

Adverse symptoms may include the following:

respiratory tract irritation  
coughing

#### Ingestion

: 2X CGH Hybridization Buffer  
10X Oligo aCGH Blocking Agent Lyophilized

No specific data.

No specific data.

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## SECTION 11: Toxicological information

|                     |   |  |
|---------------------|---|--|
| <b>Skin contact</b> | : 2X CGH Hybridization Buffer               | Adverse symptoms may include the following:<br>irritation<br>redness                     |
|                     | : 10X Oligo aCGH Blocking Agent Lyophilized | Adverse symptoms may include the following:<br>irritation<br>redness                     |
| <b>Eye contact</b>  | : 2X CGH Hybridization Buffer               | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|                     | : 10X Oligo aCGH Blocking Agent Lyophilized | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

|                              |   |   |
|------------------------------|---|---|
| <b>General</b>               | : 2X CGH Hybridization Buffer               | No known significant effects or critical hazards. |
|                              | : 10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | : 2X CGH Hybridization Buffer               | No known significant effects or critical hazards. |
|                              | : 10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards. |
| <b>Mutagenicity</b>          | : 2X CGH Hybridization Buffer               | No known significant effects or critical hazards. |
|                              | : 10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards. |
| <b>Teratogenicity</b>        | : 2X CGH Hybridization Buffer               | No known significant effects or critical hazards. |
|                              | : 10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : 2X CGH Hybridization Buffer               | No known significant effects or critical hazards. |
|                              | : 10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards. |



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## SECTION 11: Toxicological information

|                          |   |   |
|--------------------------|---|---|
| <b>Fertility effects</b> | : 2X CGH Hybridization Buffer               | No known significant effects or critical hazards. |
|                          | : 10X Oligo aCGH Blocking Agent Lyophilized | No known significant effects or critical hazards. |

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name   | Result                            | Species                                      | Exposure |
|---|-----------------------------------|--|----------|
| <b>2X CGH Hybridization Buffer</b>  |                                   |  |          |
| Lithium chloride  | Acute LC50 17000 µg/l Fresh water | Fish - Ptychocheilus lucius - Swim-up        | 96 hours |
| Polyoxyethylene octyl phenyl ether  | Acute LC50 5.85 mg/l Fresh water  | Crustaceans - Ceriodaphnia rigaudi - Neonate | 48 hours |
|   | Acute LC50 11.2 mg/l Fresh water  | Daphnia - Daphnia magna - Neonate            | 48 hours |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propyl] ether | Acute LC50 4500 µg/l Fresh water  | Fish - Pimephales promelas                   | 96 hours |
|   | EC50 28.2 mg/l                    | Algae  | 72 hours |
|   | EC50 1.1 mg/l                     | Daphnia                                      | 48 hours |

### 12.2 Persistence and degradability

Not available.

| Product/ingredient name            | Aquatic half-life | Photolysis | Biodegradability |
|------------------------------------|-------------------|------------|------------------|
| <b>2X CGH Hybridization Buffer</b> |                   |            |                  |
| Lithium chloride                   | -                 | -          | Readily          |
| Polyoxyethylene octyl phenyl ether | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name            | LogP <sub>ow</sub> | BCF | Potential |
|------------------------------------|--------------------|-----|-----------|
| <b>2X CGH Hybridization Buffer</b> |                    |     |           |
| Polyoxyethylene octyl phenyl ether | 4.86               | -   | high      |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

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

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

ADR/RID / IMDG / IATA : Not regulated.

#### Additional information

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** : Not available.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

#### Annex XIV

None of the components are listed.

#### Substances of very high concern

| Ingredient name   | Intrinsic property                              | Status      | Reference number | Date of revision |
|---|---|-------------|------------------|------------------|
| 2X CGH Hybridization Buffer<br>Polyoxyethylene octyl phenyl ether | Substance of equivalent concern for environment | Recommended | ED/169/2012      | 2/10/2014        |

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : 2X CGH Hybridization Buffer Not applicable.  
10X Oligo aCGH Blocking Not applicable.  
Agent Lyophilized

#### Other EU regulations

##### Ozone depleting substances (1005/2009/EU)

Not listed.

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## SECTION 15: Regulatory information

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

|                          |  |
|--------------------------|--|
| <b>Australia</b>         | : Not determined.  |
| <b>Canada</b>            | : Not determined.  |
| <b>China</b>             | : Not determined.  |
| <b>Europe</b>            | : Not determined.  |
| <b>Japan</b>             | : <b>Japan inventory (ENCS):</b> Not determined.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>Malaysia</b>          | : Not determined.  |
| <b>New Zealand</b>       | : Not determined.  |
| <b>Philippines</b>       | : Not determined.  |
| <b>Republic of Korea</b> | : Not determined.  |
| <b>Taiwan</b>            | : Not determined.  |
| <b>Thailand</b>          | : Not determined.  |
| <b>Turkey</b>            | : Not determined.  |
| <b>United States</b>     | : Not determined.  |
| <b>Viet Nam</b>          | : Not determined.  |

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

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## SECTION 16: Other information

| Classification   | Justification   |
|--|---|
| <b>2X CGH Hybridization Buffer</b><br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                  | Calculation method<br>Calculation method                    |
| <b>10X Oligo aCGH Blocking Agent Lyophilized</b><br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335 | Calculation method<br>Calculation method<br>Expert judgment |

### Full text of abbreviated H statements

|  |   |
|--|---|
| <b>2X CGH Hybridization Buffer</b><br>H228<br>H302<br>H312<br>H315<br>H318<br>H319<br>H332<br>H335<br>H411<br>H412 | Flammable solid.<br>Harmful if swallowed.<br>Harmful in contact with skin.<br>Causes skin irritation.<br>Causes serious eye damage.<br>Causes serious eye irritation.<br>Harmful if inhaled.<br>May cause respiratory irritation.<br>Toxic to aquatic life with long lasting effects.<br>Harmful to aquatic life with long lasting effects. |
| <b>10X Oligo aCGH Blocking Agent Lyophilized</b><br>H315<br>H319<br>H335   | Causes skin irritation.<br>Causes serious eye irritation.<br>May cause respiratory irritation.  |

### Full text of classifications [CLP/GHS]

|  |   |
|--|---|
| <b>2X CGH Hybridization Buffer</b><br>Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Aquatic Chronic 2, H411<br>Aquatic Chronic 3, H412<br>Eye Dam. 1, H318<br>Eye Irrit. 2, H319<br>Flam. Sol. 1, H228<br>Skin Irrit. 2, H315<br>STOT SE 3, H335 | ACUTE TOXICITY (oral) - Category 4<br>ACUTE TOXICITY (dermal) - Category 4<br>ACUTE TOXICITY (inhalation) - Category 4<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br>FLAMMABLE SOLIDS - Category 1<br>SKIN CORROSION/IRRITATION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 |
| <b>10X Oligo aCGH Blocking Agent Lyophilized</b><br>Eye Irrit. 2, H319<br>Skin Irrit. 2, H315<br>STOT SE 3, H335   | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br>SKIN CORROSION/IRRITATION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3  |

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**Date of previous issue** : No previous validation.

**Version** : 1

#### Notice to reader

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