

# SAFETY DATA SHEET

SurePrint G3 CGH/CGH+SNP 4x180K Bundle, Part Number G5922A

## Section 1. Identification

### 1.1 Product identifier

|                                |   |  |
|--------------------------------|---|--|
| <b>Product name</b>            | : SurePrint G3 CGH/CGH+SNP 4x180K Bundle, Part Number G5922A  |  |
| <b>Part no. (chemical kit)</b> | : G5922A  |  |
| <b>Part no.</b>                | <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | 5190-0439<br>5190-0441<br>5190-3387<br>5190-3394<br>5190-3395<br>5190-3396<br>5190-3397<br>5190-0437<br>5190-3389<br>5190-3390<br>5188-6417<br>5188-6416<br>5188-5221<br>5188-5222<br>G4869-60510, G4890-60510,<br>G4449-60510 |
| <b>Validation date</b>         | : 8/15/2018   |  |

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

|                      |  |  |
|----------------------|--|--|
| <b>Material uses</b> | : Analytical reagent.  |  |
|                      | <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>BSA<br>10X dNTP Mix<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | 2 x 1500 µl<br>2 x 265 µl<br>2 x 550 µl<br>2 x 28 µl 10 U/µl<br>2 x 28 µl 10 U/µl<br>2 x 15 µl<br>2 x 265 µl<br>2 x 55 µl<br>2 x 78 µl<br>2 x 78 µl<br>1.4 ml<br>25 Hybs lyophilized pellets<br>4 L<br>4 L<br>glass slide (1x1/4L) |


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

|                              |   |
|------------------------------|---|
| <b>Supplier/Manufacturer</b> | : Agilent Technologies, Inc.<br>5301 Stevens Creek Blvd<br>Santa Clara, CA 95051, USA<br>800-227-9770 |
|------------------------------|---|

### 1.4 Emergency telephone number


## Section 1. Identification

**In case of emergency** : CHEMTREC®: 1-800-424-9300

**Note \*** :  **SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K**: This component is considered an article. Information provided is based on the encapsulated substance or mixture in this article.

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

|                        |   |  |
|------------------------|---|--|
| <b>OSHA/HCS status</b> | :  Nucleic Acid Free Water | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|                        | Random Primers  | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|                        | 5X gDNA Reaction Buffer   | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |
|                        | Alu I   | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |
|                        | Rsa I   | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |
|                        | 10X Restriction Enzyme Buffer   | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|                        | BSA   | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|                        | Exo(-) Klenow   | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |
|                        | Cyanine-3-dUTP  | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|                        | Cyanine-5-dUTP  | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|                        | 2X HI-RPM Hybridization Buffer  | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |
|                        | 10X aCGH Blocking Agent   | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |
|                        | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1   | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to   |

## Section 2. Hazards identification

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2

the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### Classification of the substance or mixture

#### **5X gDNA Reaction Buffer**

H317 SKIN SENSITIZATION - Category 1

#### **Alu I**

H320 EYE IRRITATION - Category 2B

#### **Rsa I**

H319 EYE IRRITATION - Category 2A

#### **Exo(-) Klenow**

H320 EYE IRRITATION - Category 2B

#### **2X HI-RPM Hybridization Buffer**

H315 SKIN IRRITATION - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (cardiovascular system, central nervous system (CNS), kidneys, thyroid) - Category 2  
 H402 AQUATIC HAZARD (ACUTE) - Category 3

#### **10X aCGH Blocking Agent**

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

#### **Ingredients of unknown toxicity**

|                               |   |
|-------------------------------|---|
| : 5X gDNA Reaction Buffer     | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%<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%  |
| Alu I                         | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%<br>Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%<br>Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10% |
| Rsa I                         | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%   |
| 10X Restriction Enzyme Buffer | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%<br>Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10%  |

## Section 2. Hazards identification

|   |   |
|---|---|
| BSA   | Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%                    |
|   | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%                  |
|   | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10%              |
| Exo(-) Klenow   | Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%                    |
| 2X HI-RPM Hybridization Buffer                        | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%             |
|   | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 10 - 30%                 |
|   | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10%              |
| 10X aCGH Blocking Agent                               | Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%                    |
|   | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 10 - 30%                 |
|   | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: > 60%                |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 10 - 30%                   |
| 5X gDNA Reaction Buffer                               | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: > 60%                |
|   | Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 3.9%  |
| 10X Restriction Enzyme Buffer                         | Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 1.6%  |
| BSA   | Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 1%    |
| 2X HI-RPM Hybridization Buffer                        | Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 6.4%  |
| 10X aCGH Blocking Agent                               | Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 16.6% |

### [2.2 GHS label elements](#)

## Section 2. Hazards identification

### Hazard pictograms

: 5X gDNA Reaction Buffer



Rsa I



2X HI-RPM Hybridization Buffer



10X aCGH Blocking Agent



### Signal word

|   |                 |
|---|-----------------|
| Nuclease Free Water                                   | No signal word. |
| Random Primers  | No signal word. |
| 5X gDNA Reaction Buffer                               | Warning         |
| Alu I   | Warning         |
| Rsa I   | Warning         |
| 10X Restriction Enzyme Buffer                         | No signal word. |
| BSA   | No signal word. |
| Exo(-) Klenow   | Warning         |
| Cyanine-3-dUTP  | No signal word. |
| Cyanine-5-dUTP  | No signal word. |
| 2X HI-RPM Hybridization Buffer                        | Warning         |
| 10X aCGH Blocking Agent                               | Warning         |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | No signal word. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | No signal word. |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No signal word. |

### Hazard statements

|                                 |   |
|---------------------------------|---|
| Nuclease Free Water             | No known significant effects or critical hazards.   |
| Random Primers                  | No known significant effects or critical hazards.   |
| 5X gDNA Reaction Buffer         | H317 - May cause an allergic skin reaction.   |
| Alu I                           | H320 - Causes eye irritation.   |
| Rsa I                           | H319 - Causes serious eye irritation.   |
| 10X Restriction Enzyme Buffer   | No known significant effects or critical hazards.   |
| BSA                             | No known significant effects or critical hazards.   |
| Exo(-) Klenow                   | H320 - Causes eye irritation.   |
| Cyanine-3-dUTP                  | No known significant effects or critical hazards.   |
| Cyanine-5-dUTP                  | No known significant effects or critical hazards.   |
| 2X HI-RPM Hybridization Buffer  | H319 - Causes serious eye irritation.<br>H315 - Causes skin irritation.<br>H373 - May cause damage to organs through prolonged or repeated exposure. (cardiovascular system, central nervous system (CNS), kidneys, thyroid)<br>H402 - Harmful to aquatic life. |
| 10X aCGH Blocking Agent         | H319 - Causes serious eye irritation.<br>H315 - Causes skin irritation.   |
| Agilent Oligo aCGH/ChIP-on-Chip | H335 - May cause respiratory irritation.<br>No known significant effects or critical hazards.   |

## Section 2. Hazards identification

|   |   |
|---|---|
| Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip<br>Wash Buffer 2 | No known significant effects or critical hazards. |
| SurePrint G3 CGH+SNP or<br>Cancer CGH+SNP arrays, 4x180K          | No known significant effects or critical hazards. |

### Precautionary statements

#### Prevention

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>☑ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> </ul>  | <p>Not applicable.<br/>Not applicable.<br/>P280 - Wear protective gloves.<br/>P261 - Avoid breathing vapor.<br/>P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.<br/>P264 - Wash hands thoroughly after handling.<br/>P280 - Wear eye or face protection.<br/>P264 - Wash hands thoroughly after handling.</p>   |
| <ul style="list-style-type: none"> <li>Alu I</li> <li>Rsa I</li> </ul>  | <p>P264 - Wash hands thoroughly after handling.<br/>P280 - Wear eye or face protection.<br/>P264 - Wash hands thoroughly after handling.</p>   |
| <ul style="list-style-type: none"> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> </ul>                       | <p>Not applicable.<br/>Not applicable.<br/>P264 - Wash hands thoroughly after handling.<br/>Not applicable.<br/>Not applicable.<br/>P280 - Wear protective gloves. Wear eye or face protection.<br/>P273 - Avoid release to the environment.<br/>P260 - Do not breathe vapor.<br/>P264 - Wash hands thoroughly after handling.<br/>P280 - Wear protective gloves. Wear eye or face protection.</p> |
| <ul style="list-style-type: none"> <li>10X aCGH Blocking Agent</li> </ul>   | <p>P271 - Use only outdoors or in a well-ventilated area.<br/>P261 - Avoid breathing dust.<br/>P264 - Wash hands thoroughly after handling.</p>  |
| <ul style="list-style-type: none"> <li>Agilent Oligo aCGH/ChIP-on-Chip<br/>Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip<br/>Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or<br/>Cancer CGH+SNP arrays, 4x180K</li> </ul> | <p>Not applicable.<br/>Not applicable.<br/>Not applicable.</p>   |

#### Response

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>☑ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> </ul> | <p>Not applicable.<br/>Not applicable.<br/>P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.<br/>P333 + P313 - If skin irritation or rash occurs: Get medical attention.</p> |
| <ul style="list-style-type: none"> <li>Alu I</li> </ul>  | <p>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/>P337 + P313 - If eye irritation persists: Get medical attention.</p>        |
| <ul style="list-style-type: none"> <li>Rsa I</li> </ul>  | <p>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/>P337 + P313 - If eye irritation persists: Get medical attention.</p>        |
| <ul style="list-style-type: none"> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> </ul>                                     | <p>Not applicable.<br/>Not applicable.</p>   |

## Section 2. Hazards identification

|   |  |
|---|--|
| Exo(-) Klenow   | 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>P337 + P313 - If eye irritation persists: Get medical attention.  |
| Cyanine-3-dUTP  | Not applicable.  |
| Cyanine-5-dUTP  | Not applicable.  |
| 2X HI-RPM Hybridization Buffer                        | P314 - Get medical attention if you feel unwell.<br>P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.<br>P332 + P313 - If skin irritation occurs: Get medical attention.  |
| 10X aCGH Blocking Agent                               | 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>P337 + P313 - If eye irritation persists: Get medical attention.<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.<br>P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.<br>P332 + P313 - If skin irritation occurs: Get medical attention.<br>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>P337 + P313 - If eye irritation persists: Get medical attention. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not applicable.  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not applicable.  |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not applicable.  |
| Nuclease Free Water                                   | Not applicable.  |
| Random Primers  | Not applicable.  |
| 5X gDNA Reaction Buffer                               | Not applicable.  |
| Alu I   | Not applicable.  |
| Rsa I   | Not applicable.  |
| 10X Restriction Enzyme Buffer                         | Not applicable.  |
| BSA   | Not applicable.  |
| Exo(-) Klenow   | Not applicable.  |
| Cyanine-3-dUTP  | Not applicable.  |
| Cyanine-5-dUTP  | Not applicable.  |
| 2X HI-RPM Hybridization Buffer                        | Not applicable.  |
| 10X aCGH Blocking Agent                               | P405 - Store locked up.  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not applicable.  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not applicable.  |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not applicable.  |

**Storage**



## Section 2. Hazards identification

### Disposal

|   |  |
|---|--|
| ☑ Nuclease Free Water                                 | Not applicable.  |
| Random Primers  | Not applicable.  |
| 5X gDNA Reaction Buffer                               | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Alu I   | Not applicable.  |
| Rsa I   | Not applicable.  |
| 10X Restriction Enzyme Buffer                         | Not applicable.  |
| BSA   | Not applicable.  |
| Exo(-) Klenow   | Not applicable.  |
| Cyanine-3-dUTP  | Not applicable.  |
| Cyanine-5-dUTP  | Not applicable.  |
| 2X HI-RPM Hybridization Buffer                        | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| 10X aCGH Blocking Agent                               | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not applicable.  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not applicable.  |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not applicable.  |

### Supplemental label elements

|   |             |
|---|-------------|
| ☑ Nuclease Free Water                                 | None known. |
| Random Primers  | None known. |
| 5X gDNA Reaction Buffer                               | None known. |
| Alu I   | None known. |
| Rsa I   | None known. |
| 10X Restriction Enzyme Buffer                         | None known. |
| BSA   | None known. |
| Exo(-) Klenow   | None known. |
| Cyanine-3-dUTP  | None known. |
| Cyanine-5-dUTP  | None known. |
| 2X HI-RPM Hybridization Buffer                        | None known. |
| 10X aCGH Blocking Agent                               | None known. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | None known. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | None known. |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | None known. |

### 2.3 Other hazards

#### Hazards not otherwise classified

|   |             |
|---|-------------|
| ☑ Nuclease Free Water                         | None known. |
| Random Primers                                | None known. |
| 5X gDNA Reaction Buffer                       | None known. |
| Alu I   | None known. |
| Rsa I   | None known. |
| 10X Restriction Enzyme Buffer                 | None known. |
| BSA   | None known. |
| Exo(-) Klenow                                 | None known. |
| Cyanine-3-dUTP                                | None known. |
| Cyanine-5-dUTP                                | None known. |
| 2X HI-RPM Hybridization Buffer                | None known. |
| 10X aCGH Blocking Agent                       | None known. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 | None known. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 | None known. |



## Section 2. Hazards identification

Wash Buffer 2  
 SurePrint G3 CGH+SNP or None known.  
 Cancer CGH+SNP arrays, 4x180K

## Section 3. Composition/information on ingredients

|                          |   |                                   |
|--------------------------|---|-----------------------------------|
| <b>Substance/mixture</b> | : <input checked="" type="checkbox"/> Nuclease Free Water | Substance                         |
|                          | Random Primers  | Mixture                           |
|                          | 5X gDNA Reaction Buffer                                   | Mixture                           |
|                          | Alu I   | Mixture                           |
|                          | Rsa I   | Mixture                           |
|                          | 10X Restriction Enzyme Buffer                             | Mixture                           |
|                          | BSA   | Mixture                           |
|                          | Exo(-) Klenow   | Mixture                           |
|                          | Cyanine-3-dUTP  | Mixture                           |
|                          | Cyanine-5-dUTP  | Mixture                           |
|                          | 2X HI-RPM Hybridization Buffer                            | Mixture                           |
|                          | 10X aCGH Blocking Agent                                   | Mixture                           |
|                          | Agilent Oligo aCGH/ChIP-on-Chip                           | Mixture                           |
|                          | Wash Buffer 1   |                                   |
|                          | Agilent Oligo aCGH/ChIP-on-Chip                           | Mixture                           |
|                          | Wash Buffer 2   |                                   |
|                          | SurePrint G3 CGH+SNP or Cancer                            | Mixture (encapsulated in article) |
|                          | CGH+SNP arrays, 4x180K                                    |                                   |

| Ingredient name   | %         | CAS number  |
|---|-----------|-------------|
| <input checked="" type="checkbox"/> <b>Nuclease Free Water</b><br>Water   | 100       | 7732-18-5   |
| <b>5X gDNA Reaction Buffer</b><br>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride                               | ≤5        | 1185-53-1   |
| 2-Mercaptoethanol   | <1        | 60-24-2     |
| <b>Alu I</b><br>Glycerol  | ≥50 - ≤75 | 56-81-5     |
| <b>Rsa I</b><br>Glycerol  | ≥50 - ≤75 | 56-81-5     |
| Sodium chloride   | ≤3        | 7647-14-5   |
| <b>10X Restriction Enzyme Buffer</b><br>Sodium chloride   | ≤3        | 7647-14-5   |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride   | ≤3        | 1185-53-1   |
| <b>Exo(-) Klenow</b><br>Glycerol  | ≥50 - ≤75 | 56-81-5     |
| <b>2X HI-RPM Hybridization Buffer</b><br>4-Morpholineethanesulfonic acid, hydrate (1:1)                                 | ≤7.7      | 145224-94-8 |
| Lithium chloride  | ≤6.2      | 7447-41-8   |
| Lithium dodecyl sulphate  | ≤3        | 2044-56-6   |
| Polyoxyethylene octyl phenyl ether  | ≤2        | 9002-93-1   |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxanyl]propyl] ether | ≤1.5      | 134180-76-0 |
| <b>10X aCGH Blocking Agent</b><br>Trometamol  | ≥10 - ≤25 | 77-86-1     |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride   | ≥10 - ≤25 | 1185-53-1   |

## Section 3. Composition/information on ingredients

|  |     |            |
|--|-----|------------|
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K<br>Sodium silicate | ≥90 | 15859-24-2 |
|--|-----|------------|

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

|                    |                                |   |
|--------------------|--------------------------------|---|
| <b>Eye contact</b> | : Nuclease Free Water          | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
|                    | Random Primers                 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
|                    | 5X gDNA Reaction 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 if irritation occurs.    |
|                    | Alu I                          | 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. If irritation persists, get medical attention. |
|                    | Rsa I                          | 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 Restriction Enzyme Buffer  | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
|                    | BSA                            | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
|                    | Exo(-) Klenow                  | 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. If irritation persists, get medical attention. |
|                    | Cyanine-3-dUTP                 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
|                    | Cyanine-5-dUTP                 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
|                    | 2X HI-RPM Hybridization Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  |

## Section 4. First aid measures

Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

10X aCGH Blocking Agent

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.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

### Inhalation

: Nuclease Free Water

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Random Primers

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

5X gDNA Reaction 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.

Alu I

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.

Rsa I

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

## Section 4. First aid measures

|                                |  |
|--------------------------------|--|
|                                | 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.  |
| 10X Restriction Enzyme Buffer  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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.  |
| BSA                            | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| Exo(-) Klenow                  | 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.   |
| Cyanine-3-dUTP                 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| Cyanine-5-dUTP                 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| 2X HI-RPM 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 following exposure or if feeling unwell. 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 aCGH Blocking Agent        | 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 artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth  |

## Section 4. First aid measures

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.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

### Skin contact

:  Nuclease Free Water

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Random Primers

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

5X gDNA Reaction Buffer

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Alu I

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Rsa I

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

10X Restriction Enzyme Buffer

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

BSA

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Exo(-) Klenow

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.


Cyanine-3-dUTP

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Cyanine-5-dUTP

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

## Section 4. First aid measures

|                  |   |   |
|------------------|---|---|
|                  | 2X HI-RPM 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 aCGH Blocking Agent   | 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.  |
|                  | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1   | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                  | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2   | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                  | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K   | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| <b>Ingestion</b> | :  Nuclease Free Water | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
|                  | Random Primers  | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
|                  | 5X gDNA Reaction 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. |
|                  | Alu I   | 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   |



## Section 4. First aid measures

|                               |   |
|-------------------------------|---|
|                               | 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.   |
| Rsa I                         | 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 Restriction Enzyme Buffer | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| BSA                           | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| Exo(-) Klenow                 | 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. |
| Cyanine-3-dUTP                | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |



## Section 4. First aid measures

|   |   |
|---|---|
| Cyanine-5-dUTP  | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| 2X HI-RPM 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 following exposure or if feeling unwell. 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 aCGH Blocking Agent                               | 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. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get  |

## Section 4. First aid measures

medical attention if symptoms occur.

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

#### Potential acute health effects

##### Eye contact

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>☑ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> <li>10X aCGH Blocking Agent</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</li> </ul> | <ul style="list-style-type: none"> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>Causes eye irritation.</li> <li>Causes serious eye irritation.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>Causes eye irritation.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>Causes serious eye irritation.</li> <li>Causes serious eye irritation.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>Causes serious eye irritation.</li> <li>Causes serious eye irritation.</li> <li>No known significant effects or critical hazards.</li> </ul> |
|---|---|

##### Inhalation

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>☑ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> <li>10X aCGH Blocking Agent</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</li> </ul> | <ul style="list-style-type: none"> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>May cause respiratory irritation.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul> |
|---|--|

##### Skin contact

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>☑ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> <li>10X aCGH Blocking Agent</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or</li> </ul> | <ul style="list-style-type: none"> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>May cause an allergic skin reaction.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>Causes skin irritation.</li> <li>Causes skin irritation.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul> |
|---|---|

## Section 4. First aid measures

### Ingestion

|   |   |   |
|---|---|---|
|   | Cancer CGH+SNP arrays, 4x180K                         |   |
| : | Nuclease Free Water                                   | No known significant effects or critical hazards. |
|   | Random Primers  | No known significant effects or critical hazards. |
|   | 5X gDNA Reaction Buffer                               | No known significant effects or critical hazards. |
|   | Alu I   | No known significant effects or critical hazards. |
|   | Rsa I   | No known significant effects or critical hazards. |
|   | 10X Restriction Enzyme Buffer                         | No known significant effects or critical hazards. |
|   | BSA   | No known significant effects or critical hazards. |
|   | Exo(-) Klenow   | No known significant effects or critical hazards. |
|   | Cyanine-3-dUTP  | No known significant effects or critical hazards. |
|   | Cyanine-5-dUTP  | No known significant effects or critical hazards. |
|   | 2X HI-RPM Hybridization Buffer                        | No known significant effects or critical hazards. |
|   | 10X aCGH Blocking Agent                               | No known significant effects or critical hazards. |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | No known significant effects or critical hazards. |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | No known significant effects or critical hazards. |
|   | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards. |

### Over-exposure signs/symptoms

#### Eye contact

|   |   |  |
|---|---|--|
| : | Nuclease Free Water                                   | No specific data.  |
|   | Random Primers  | No specific data.  |
|   | 5X gDNA Reaction Buffer                               | No specific data.  |
|   | Alu I   | Adverse symptoms may include the following:<br>irritation<br>watering<br>redness         |
|   | Rsa I   | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|   | 10X Restriction Enzyme Buffer                         | No specific data.  |
|   | BSA   | No specific data.  |
|   | Exo(-) Klenow   | Adverse symptoms may include the following:<br>irritation<br>watering<br>redness         |
|   | Cyanine-3-dUTP  | No specific data.  |
|   | Cyanine-5-dUTP  | No specific data.  |
|   | 2X HI-RPM Hybridization Buffer                        | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|   | 10X aCGH Blocking Agent                               | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | No specific data.  |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | No specific data.  |
|   | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific data.  |

## Section 4. First aid measures

|   |                   |   |   |
|---|-------------------|---|---|
| <b>Inhalation</b>                                     | :                 | ☑ Nuclease Free Water                         | No specific data.   |
|   |                   | Random Primers                                | No specific data.   |
|   |                   | 5X gDNA Reaction Buffer                       | No specific data.   |
|   |                   | Alu I   | No specific data.   |
|   |                   | Rsa I   | No specific data.   |
|   |                   | 10X Restriction Enzyme Buffer                 | No specific data.   |
|   |                   | BSA   | No specific data.   |
|   |                   | Exo(-) Klenow                                 | No specific data.   |
|   |                   | Cyanine-3-dUTP                                | No specific data.   |
|   |                   | Cyanine-5-dUTP                                | No specific data.   |
|   |                   | 2X HI-RPM Hybridization Buffer                | No specific data.   |
|   |                   | 10X aCGH Blocking Agent                       | Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing |
|   |                   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 | No specific data.   |
|   |                   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 | No specific data.   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific data. |   |   |
| <b>Skin contact</b>                                   | :                 | ☑ Nuclease Free Water                         | No specific data.   |
|   |                   | Random Primers                                | No specific data.   |
|   |                   | 5X gDNA Reaction Buffer                       | Adverse symptoms may include the following:<br>irritation<br>redness                    |
|   |                   | Alu I   | No specific data.   |
|   |                   | Rsa I   | No specific data.   |
|   |                   | 10X Restriction Enzyme Buffer                 | No specific data.   |
|   |                   | BSA   | No specific data.   |
|   |                   | Exo(-) Klenow                                 | No specific data.   |
|   |                   | Cyanine-3-dUTP                                | No specific data.   |
|   |                   | Cyanine-5-dUTP                                | No specific data.   |
|   |                   | 2X HI-RPM Hybridization Buffer                | Adverse symptoms may include the following:<br>irritation<br>redness                    |
|   |                   | 10X aCGH Blocking Agent                       | Adverse symptoms may include the following:<br>irritation<br>redness                    |
|   |                   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 | No specific data.   |
|   |                   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 | No specific data.   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific data. |   |   |
| <b>Ingestion</b>                                      | :                 | ☑ Nuclease Free Water                         | No specific data.   |
|   |                   | Random Primers                                | No specific data.   |
|   |                   | 5X gDNA Reaction Buffer                       | No specific data.   |
|   |                   | Alu I   | No specific data.   |
|   |                   | Rsa I   | No specific data.   |
|   |                   | 10X Restriction Enzyme Buffer                 | No specific data.   |
|   |                   | BSA   | No specific data.   |
|   |                   | Exo(-) Klenow                                 | No specific data.   |
|   |                   | Cyanine-3-dUTP                                | No specific data.   |
|   |                   | Cyanine-5-dUTP                                | No specific data.   |
|   |                   | 2X HI-RPM Hybridization Buffer                | No specific data.   |
|   |                   | 10X aCGH Blocking Agent                       | No specific data.   |
|   |                   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 | No specific data.   |
|   |                   | Agilent Oligo aCGH/ChIP-on-Chip               | No specific data.   |

## Section 4. First aid measures

Wash Buffer 2  
SurePrint G3 CGH+SNP or  
Cancer CGH+SNP arrays, 4x180K

No specific data.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

|                           |   |  |   |
|---------------------------|---|--|---|
| <b>Notes to physician</b> | : | <p>☑ Nuclease Free Water</p> <p>Random Primers</p> <p>5X gDNA Reaction Buffer</p> <p>Alu I</p> <p>Rsa I</p> <p>10X Restriction Enzyme Buffer</p> <p>BSA</p> <p>Exo(-) Klenow</p> <p>Cyanine-3-dUTP</p> <p>Cyanine-5-dUTP</p> <p>2X HI-RPM Hybridization Buffer</p> <p>10X aCGH Blocking Agent</p> <p>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</p> <p>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</p> <p>SurePrint G3 CGH+SNP or<br/>Cancer CGH+SNP arrays, 4x180K</p> | <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>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.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>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.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>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.</p> <p>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.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> |
|---------------------------|---|--|---|

## Section 4. First aid measures

|                                   |   |   |
|-----------------------------------|---|---|
| <b>Specific treatments</b>        | : Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.<br>No specific treatment.  |
| <b>Protection of first-aiders</b> | : Nuclease Free Water<br><br>Random Primers<br><br>5X gDNA Reaction Buffer<br><br>Alu I<br><br>Rsa I<br><br>10X Restriction Enzyme Buffer<br><br>BSA<br><br>Exo(-) Klenow<br><br>Cyanine-3-dUTP<br><br>Cyanine-5-dUTP<br><br>2X HI-RPM Hybridization Buffer<br><br>10X aCGH Blocking Agent<br><br>Agilent Oligo aCGH/ChIP-on-Chip   | No action shall be taken involving any personal risk or without suitable training.<br>No action shall be taken involving any personal risk or without suitable training.<br>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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.<br>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.<br>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.<br>No action shall be taken involving any personal risk or without suitable training.<br>No action shall be taken involving any personal risk or without suitable training.<br>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.<br>No action shall be taken involving any personal risk or without suitable training.<br>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.<br>No action shall be taken involving any personal risk or without suitable training.<br>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.<br>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.<br>No action shall be taken involving any personal risk |



## Section 4. First aid measures

|                                 |  |
|---------------------------------|--|
| Wash Buffer 1                   | or without suitable training.                        |
| Agilent Oligo aCGH/ChIP-on-Chip | No action shall be taken involving any personal risk |
| Wash Buffer 2                   | or without suitable training.                        |
| SurePrint G3 CGH+SNP or         | No action shall be taken involving any personal risk |
| Cancer CGH+SNP arrays, 4x180K   | or without suitable training.                        |

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

|                                 |   |
|---------------------------------|---|
| : Nuclease Free Water           | Use an extinguishing agent suitable for the surrounding fire. |
| Random Primers                  | Use an extinguishing agent suitable for the surrounding fire. |
| 5X gDNA Reaction Buffer         | Use an extinguishing agent suitable for the surrounding fire. |
| Alu I                           | Use an extinguishing agent suitable for the surrounding fire. |
| Rsa I                           | Use an extinguishing agent suitable for the surrounding fire. |
| 10X Restriction Enzyme Buffer   | Use an extinguishing agent suitable for the surrounding fire. |
| BSA                             | Use an extinguishing agent suitable for the surrounding fire. |
| Exo(-) Klenow                   | Use an extinguishing agent suitable for the surrounding fire. |
| Cyanine-3-dUTP                  | Use an extinguishing agent suitable for the surrounding fire. |
| Cyanine-5-dUTP                  | Use an extinguishing agent suitable for the surrounding fire. |
| 2X HI-RPM Hybridization Buffer  | Use an extinguishing agent suitable for the surrounding fire. |
| 10X aCGH Blocking Agent         | Use an extinguishing agent suitable for the surrounding fire. |
| Agilent Oligo aCGH/ChIP-on-Chip | Use an extinguishing agent suitable for the surrounding fire. |
| Wash Buffer 1                   | Use an extinguishing agent suitable for the surrounding fire. |
| Agilent Oligo aCGH/ChIP-on-Chip | Use an extinguishing agent suitable for the surrounding fire. |
| Wash Buffer 2                   | Use an extinguishing agent suitable for the surrounding fire. |
| SurePrint G3 CGH+SNP or         | Use an extinguishing agent suitable for the surrounding fire. |
| Cancer CGH+SNP arrays, 4x180K   | Use an extinguishing agent suitable for the surrounding fire. |

#### Unsuitable extinguishing media

|                                 |             |
|---------------------------------|-------------|
| : Nuclease Free Water           | None known. |
| Random Primers                  | None known. |
| 5X gDNA Reaction Buffer         | None known. |
| Alu I                           | None known. |
| Rsa I                           | None known. |
| 10X Restriction Enzyme Buffer   | None known. |
| BSA                             | None known. |
| Exo(-) Klenow                   | None known. |
| Cyanine-3-dUTP                  | None known. |
| Cyanine-5-dUTP                  | None known. |
| 2X HI-RPM Hybridization Buffer  | None known. |
| 10X aCGH Blocking Agent         | None known. |
| Agilent Oligo aCGH/ChIP-on-Chip | None known. |
| Wash Buffer 1                   | None known. |
| Agilent Oligo aCGH/ChIP-on-Chip | None known. |
| Wash Buffer 2                   | None known. |
| SurePrint G3 CGH+SNP or         | None known. |



## Section 5. Fire-fighting measures

Cancer CGH+SNP arrays, 4x180K

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

**Specific hazards arising from the chemical**

|   |   |
|---|---|
| : Nuclease Free Water                                 | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Random Primers  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| 5X gDNA Reaction Buffer                               | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Alu I   | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Rsa I   | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| 10X Restriction Enzyme Buffer                         | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| BSA   | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Exo(-) Klenow   | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Cyanine-3-dUTP  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Cyanine-5-dUTP  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| 2X HI-RPM Hybridization Buffer                        | In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| 10X aCGH Blocking Agent                               | No specific fire or explosion hazard.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific fire or explosion hazard.   |

**Hazardous thermal decomposition products**

|                               |   |
|-------------------------------|---|
| : Nuclease Free Water         | No specific data.   |
| Random Primers                | No specific data.   |
| 5X gDNA Reaction Buffer       | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>halogenated compounds    |
| Alu I                         | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>metal oxide/oxides                          |
| Rsa I                         | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>halogenated compounds<br>metal oxide/oxides |
| 10X Restriction Enzyme Buffer | Decomposition products may include the following materials:<br>carbon dioxide   |

## Section 5. Fire-fighting measures

|  |   |
|--|---|
|  | carbon monoxide<br>nitrogen oxides<br>halogenated compounds<br>metal oxide/oxides   |
| BSA  | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
| Exo(-) Klenow  | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
| Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer | No specific data.<br>No specific data.<br>Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>halogenated compounds<br>metal oxide/oxides |
| 10X aCGH Blocking Agent  | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>phosphorus oxides<br>halogenated compounds   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1                      | No specific data.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2                      | No specific data.   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K              | Decomposition products may include the following materials:<br>metal oxide/oxides   |

### 5.3 Advice for firefighters

#### Special protective actions for fire-fighters

|                         |   |
|-------------------------|---|
| ☒ Nuclease Free Water   | 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. |
| Random Primers          | 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. |
| 5X gDNA Reaction 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. |
| Alu I                   | 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. |
| Rsa I                   | 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. |

## Section 5. Fire-fighting measures

|   |   |
|---|---|
| 10X Restriction Enzyme 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. |
| BSA   | 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. |
| Exo(-) Klenow   | 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. |
| Cyanine-3-dUTP  | 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. |
| Cyanine-5-dUTP  | 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. |
| 2X HI-RPM 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 aCGH Blocking Agent   | 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. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1                               | 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. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2                               | 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. |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K                       | 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. |
| <b>Special protective equipment for fire-fighters</b> : Nuclease Free Water | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |
| Random Primers  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |
| 5X gDNA Reaction Buffer   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |
| Alu I   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |
| Rsa I   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive  |

## Section 5. Fire-fighting measures

|   |   |
|---|---|
| 10X Restriction Enzyme Buffer                         | pressure mode.<br>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| BSA   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| Exo(-) Klenow   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| Cyanine-3-dUTP  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| Cyanine-5-dUTP  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| 2X HI-RPM 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.                   |
| 10X aCGH Blocking Agent                               | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |

## Section 6. Accidental release measures

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

|                                    |                         |   |
|------------------------------------|-------------------------|---|
| <b>For non-emergency personnel</b> | : Nuclease Free Water   | 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 spilled material. Put on appropriate personal protective equipment. |
|                                    | Random Primers          | 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 spilled material. Put on appropriate personal protective equipment. |
|                                    | 5X gDNA Reaction Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate   |

## Section 6. Accidental release measures

|                                |  |
|--------------------------------|--|
|                                | surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.   |
| Alu I                          | 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| Rsa I                          | 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| 10X Restriction Enzyme 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 spilled material. Put on appropriate personal protective equipment.  |
| BSA                            | 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 spilled material. Put on appropriate personal protective equipment.  |
| Exo(-) Klenow                  | 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| Cyanine-3-dUTP                 | 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 spilled material. Put on appropriate personal protective equipment.  |
| Cyanine-5-dUTP                 | 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 spilled material. Put on appropriate personal protective equipment.  |
| 2X HI-RPM Hybridization Buffer | No action shall be taken involving any personal  |

## Section 6. Accidental release measures

risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

10X aCGH Blocking Agent

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 spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1

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 spilled material. Put on appropriate personal protective equipment.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2

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 spilled material. Put on appropriate personal protective equipment.

SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K

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 spilled material. Put on appropriate personal protective equipment.

**For emergency responders :**  Nuclease Free Water

If specialized 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".

Random Primers

If specialized 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".

5X gDNA Reaction Buffer

If specialized 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".

Alu I

If specialized 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".

Rsa I

If specialized 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 Restriction Enzyme Buffer

If specialized 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".

BSA


If specialized clothing is required to deal with the



## Section 6. Accidental release measures

|   |  |
|---|--|
| Exo(-) Klenow   | spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized 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". |
| Cyanine-3-dUTP  | If specialized 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".  |
| Cyanine-5-dUTP  | If specialized 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".  |
| 2X HI-RPM Hybridization Buffer                        | If specialized 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 aCGH Blocking Agent                               | If specialized 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".  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | If specialized 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".  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | If specialized 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".  |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | If specialized 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

|   |   |
|---|---|
| :  Nuclease Free Water | Avoid dispersal of spilled 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). |
| Random Primers  | Avoid dispersal of spilled 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). |
| 5X gDNA Reaction Buffer   | Avoid dispersal of spilled 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). |
| Alu I   | Avoid dispersal of spilled 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). |
| Rsa I   | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.   |




## Section 6. Accidental release measures

|   |  |
|---|--|
| 10X Restriction Enzyme Buffer                         | Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).<br>Avoid dispersal of spilled 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). |
| BSA   | Avoid dispersal of spilled 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).  |
| Exo(-) Klenow   | Avoid dispersal of spilled 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).  |
| Cyanine-3-dUTP  | Avoid dispersal of spilled 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).  |
| Cyanine-5-dUTP  | Avoid dispersal of spilled 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).  |
| 2X HI-RPM Hybridization Buffer                        | Avoid dispersal of spilled 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). Water polluting material. May be harmful to the environment if released in large quantities.                           |
| 10X aCGH Blocking Agent                               | Avoid dispersal of spilled 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).  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Avoid dispersal of spilled 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).  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Avoid dispersal of spilled 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).  |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Avoid dispersal of spilled 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 materials for containment and cleaning up

## Section 6. Accidental release measures

**Methods for cleaning up** :  Nuclease Free Water

|                               |   |
|-------------------------------|---|
|                               | 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. |
| Random Primers                | 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. |
| 5X gDNA Reaction 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. |
| Alu I                         | 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. |
| Rsa I                         | 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 Restriction Enzyme 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. |
| BSA                           | 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. |
| Exo(-) Klenow                 | 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. |
| Cyanine-3-dUTP                | 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. |
| Cyanine-5-dUTP                | 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. |

## Section 6. Accidental release measures

|   |   |
|---|---|
| 2X HI-RPM Hybridization Buffer                        | disposal contractor.<br>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 aCGH Blocking Agent                               | 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.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | 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.                         |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | 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.                         |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.   |

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

|                            |   |   |
|----------------------------|---|---|
| <b>Protective measures</b> | : <input checked="" type="checkbox"/> Nuclease Free Water | Put on appropriate personal protective equipment (see Section 8).   |
|                            | Random Primers  | Put on appropriate personal protective equipment (see Section 8).   |
|                            | 5X gDNA Reaction Buffer                                   | Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor 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. |
|                            | Alu I   | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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.   |
|                            | Rsa I   | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept   |

## Section 7. Handling and storage

|   |  |
|---|--|
|   | tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.  |
| 10X Restriction Enzyme Buffer                         | Put on appropriate personal protective equipment (see Section 8).  |
| BSA   | Put on appropriate personal protective equipment (see Section 8).  |
| Exo(-) Klenow   | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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.  |
| Cyanine-3-dUTP  | Put on appropriate personal protective equipment (see Section 8).  |
| Cyanine-5-dUTP  | Put on appropriate personal protective equipment (see Section 8).  |
| 2X HI-RPM Hybridization Buffer                        | Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. 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 aCGH Blocking Agent                               | 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. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Put on appropriate personal protective equipment (see Section 8).  |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Put on appropriate personal protective equipment (see Section 8).  |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Put on appropriate personal protective equipment (see Section 8).  |
| : Nuclease Free Water                                 | 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.  |
| Random Primers  | 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.  |
| 5X gDNA Reaction Buffer                               | Eating, drinking and smoking should be prohibited  |

**Advice on general occupational hygiene**

## Section 7. Handling and storage

|                                |   |
|--------------------------------|---|
| Alu I                          | 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. 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. |
| Rsa I                          | 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 Restriction Enzyme 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.   |
| BSA                            | 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.   |
| Exo(-) Klenow                  | 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.   |
| Cyanine-3-dUTP                 | 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.   |
| Cyanine-5-dUTP                 | 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.   |
| 2X HI-RPM 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   |

## Section 7. Handling and storage

10X aCGH Blocking Agent

contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. 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.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1

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.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2

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.

SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K

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

:  Nuclease Free Water

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Random Primers

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

5X gDNA Reaction 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



## Section 7. Handling and storage

|                               |  |
|-------------------------------|--|
| Alu I                         | 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| Rsa I                         | 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.   |
| 10X Restriction Enzyme 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.   |
| BSA                           | 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.   |
| Exo(-) Klenow                 | 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 unlabeled   |

## Section 7. Handling and storage

Cyanine-3-dUTP

containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Cyanine-5-dUTP

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

2X HI-RPM 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

10X aCGH Blocking Agent

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 7. Handling and storage

|  |   |
|--|---|
| <p>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</p>         | <p>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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| <p>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</p> | <p>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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |

### 7.3 Specific end use(s)

#### Recommendations

|  |  |
|--|--|
| <p> <input checked="" type="checkbox"/> Nuclease Free Water<br/>                 Random Primers<br/>                 5X gDNA Reaction Buffer<br/>                 Alu I<br/>                 Rsa I<br/>                 10X Restriction Enzyme Buffer<br/>                 BSA<br/>                 Exo(-) Klenow<br/>                 Cyanine-3-dUTP<br/>                 Cyanine-5-dUTP<br/>                 2X HI-RPM Hybridization Buffer<br/>                 10X aCGH Blocking Agent<br/>                 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br/>                 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br/>                 SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K             </p> | <p>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.<br/>                 Industrial applications, Professional applications.             </p> |
|--|--|

#### Industrial sector specific solutions

|   |  |
|---|--|
| <p> <input checked="" type="checkbox"/> Nuclease Free Water<br/>                 Random Primers<br/>                 5X gDNA Reaction Buffer<br/>                 Alu I<br/>                 Rsa I<br/>                 10X Restriction Enzyme Buffer<br/>                 BSA<br/>                 Exo(-) Klenow<br/>                 Cyanine-3-dUTP<br/>                 Cyanine-5-dUTP<br/>                 2X HI-RPM Hybridization Buffer<br/>                 10X aCGH Blocking Agent<br/>                 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br/>                 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2             </p> | <p>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.<br/>                 Not applicable.             </p> |
|---|--|

## Section 7. Handling and storage

SurePrint G3 CGH+SNP or Not applicable.  
Cancer CGH+SNP arrays, 4x180K

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

| Ingredient name   | Exposure limits   |
|---|---|
| <b>Nuclease Free Water</b><br>Water   | None.   |
| <b>5X gDNA Reaction Buffer</b><br>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride<br>2-Mercaptoethanol                          | None.<br><b>AIHA WEEL (United States, 10/2011).</b><br><b>Absorbed through skin.</b><br>TWA: 0.2 ppm 8 hours.   |
| <b>Alu I</b><br>Glycerol  | <b>OSHA PEL 1989 (United States, 3/1989).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>OSHA PEL (United States, 6/2016).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust |
| <b>Rsa I</b><br>Glycerol  | <b>OSHA PEL 1989 (United States, 3/1989).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>OSHA PEL (United States, 6/2016).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust |
| Sodium chloride   | None.   |
| <b>10X Restriction Enzyme Buffer</b><br>Sodium chloride<br>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride                      | None.<br>None.  |
| <b>Exo(-) Klenow</b><br>Glycerol  | <b>OSHA PEL 1989 (United States, 3/1989).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>OSHA PEL (United States, 6/2016).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust |
| <b>2X HI-RPM Hybridization Buffer</b><br>4-Morpholineethanesulfonic acid, hydrate (1:1)<br>Lithium chloride<br>Lithium dodecyl sulphate | None.<br>None.<br>None.   |

## Section 8. Exposure controls/personal protection

|   |       |
|---|-------|
| Polyoxyethylene octyl phenyl ether  | None. |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propyl] ether | None. |
| <b>10X aCGH Blocking Agent</b>  |       |
| Trometamol  | None. |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride   | None. |
| <b>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</b>  |       |
| Sodium silicate   | None. |

### 8.2 Exposure controls

#### Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor 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.

#### 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.

### 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. Contaminated work clothing should not be allowed out of the workplace. 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 and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### 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.

#### 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.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                       |              |   |                              |
|-----------------------|--------------|---|------------------------------|
| <b>Physical state</b> | :            | ☑ Nuclease Free Water                                 | Liquid.                      |
|                       |              | Random Primers  | Liquid.                      |
|                       |              | 5X gDNA Reaction Buffer                               | Liquid.                      |
|                       |              | Alu I   | Liquid.                      |
|                       |              | Rsa I   | Liquid.                      |
|                       |              | 10X Restriction Enzyme Buffer                         | Liquid.                      |
|                       |              | BSA   | Liquid.                      |
|                       |              | Exo(-) Klenow   | Liquid.                      |
|                       |              | Cyanine-3-dUTP  | Liquid.                      |
|                       |              | Cyanine-5-dUTP  | Liquid.                      |
|                       |              | 2X HI-RPM Hybridization Buffer                        | Liquid.                      |
|                       |              | 10X aCGH Blocking Agent                               | Solid. [lyophilized pellets] |
|                       |              | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Liquid.                      |
|                       |              | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Liquid.                      |
|                       |              | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Solid.                       |
|                       | <b>Color</b> | :   | ☑ Nuclease Free Water        |
|                       |              | Random Primers  | Not available.               |
|                       |              | 5X gDNA Reaction Buffer                               | Not available.               |
|                       |              | Alu I   | Not available.               |
|                       |              | Rsa I   | Not available.               |
|                       |              | 10X Restriction Enzyme Buffer                         | Not available.               |
|                       |              | BSA   | Not available.               |
|                       |              | Exo(-) Klenow   | Not available.               |
|                       |              | Cyanine-3-dUTP  | Not available.               |
|                       |              | Cyanine-5-dUTP  | Not available.               |
|                       |              | 2X HI-RPM Hybridization Buffer                        | Not available.               |
|                       |              | 10X aCGH Blocking Agent                               | Not available.               |
|                       |              | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.               |
|                       |              | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.               |
|                       |              | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.               |
| <b>Odor</b>           |              | :   | ☑ Nuclease Free Water        |
|                       |              | Random Primers  | Not available.               |
|                       |              | 5X gDNA Reaction Buffer                               | Not available.               |
|                       |              | Alu I   | Not available.               |
|                       |              | Rsa I   | Not available.               |
|                       |              | 10X Restriction Enzyme Buffer                         | Not available.               |
|                       |              | BSA   | Not available.               |
|                       |              | Exo(-) Klenow   | Not available.               |
|                       |              | Cyanine-3-dUTP  | Not available.               |
|                       |              | Cyanine-5-dUTP  | Not available.               |
|                       |              | 2X HI-RPM Hybridization Buffer                        | Not available.               |
|                       |              | 10X aCGH Blocking Agent                               | Not available.               |
|                       |              | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.               |
|                       |              | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.               |
|                       |              | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.               |



## Section 9. Physical and chemical properties

|                       |           |   |                       |
|-----------------------|-----------|---|-----------------------|
| <b>Odor threshold</b> | :         | ☒ Nuclease Free Water                                 | Not available.        |
|                       |           | Random Primers  | Not available.        |
|                       |           | 5X gDNA Reaction Buffer                               | Not available.        |
|                       |           | Alu I   | Not available.        |
|                       |           | Rsa I   | Not available.        |
|                       |           | 10X Restriction Enzyme Buffer                         | Not available.        |
|                       |           | BSA   | Not available.        |
|                       |           | Exo(-) Klenow   | Not available.        |
|                       |           | Cyanine-3-dUTP  | Not available.        |
|                       |           | Cyanine-5-dUTP  | Not available.        |
|                       |           | 2X HI-RPM Hybridization Buffer                        | Not available.        |
|                       |           | 10X aCGH Blocking Agent                               | Not available.        |
|                       |           | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.        |
|                       |           | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.        |
|                       |           | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.        |
|                       | <b>pH</b> | :   | ☒ Nuclease Free Water |
|                       |           | Random Primers  | 8                     |
|                       |           | 5X gDNA Reaction Buffer                               | 7.5                   |
|                       |           | Alu I   | 7.4                   |
|                       |           | Rsa I   | 7.4                   |
|                       |           | 10X Restriction Enzyme Buffer                         | 7.9                   |
|                       |           | BSA   | Not available.        |
|                       |           | Exo(-) Klenow   | 7.5                   |
|                       |           | Cyanine-3-dUTP  | Not available.        |
|                       |           | Cyanine-5-dUTP  | Not available.        |
|                       |           | 2X HI-RPM Hybridization Buffer                        | 6.1                   |
|                       |           | 10X aCGH Blocking Agent                               | Not available.        |
|                       |           | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | 8.2 to 8.6            |
|                       |           | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | 8 to 8.4              |
|                       |           | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.        |
| <b>Melting point</b>  |           | :   | ☒ Nuclease Free Water |
|                       |           | Random Primers  | 0°C (32°F)            |
|                       |           | 5X gDNA Reaction Buffer                               | 0°C (32°F)            |
|                       |           | Alu I   | Not available.        |
|                       |           | Rsa I   | Not available.        |
|                       |           | 10X Restriction Enzyme Buffer                         | Not available.        |
|                       |           | BSA   | 0°C (32°F)            |
|                       |           | Exo(-) Klenow   | Not available.        |
|                       |           | Cyanine-3-dUTP  | 0°C (32°F)            |
|                       |           | Cyanine-5-dUTP  | 0°C (32°F)            |
|                       |           | 2X HI-RPM Hybridization Buffer                        | Not available.        |
|                       |           | 10X aCGH Blocking Agent                               | Not available.        |
|                       |           | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | 0°C (32°F)            |
|                       |           | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | 0°C (32°F)            |
|                       |           | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.        |

## Section 9. Physical and chemical properties

|                         |                    |   |                       |                 |
|-------------------------|--------------------|---|-----------------------|-----------------|
| <b>Boiling point</b>    | :                  | ☑ Nuclease Free Water                                 | 100°C (212°F)         |                 |
|                         |                    | Random Primers  | 100°C (212°F)         |                 |
|                         |                    | 5X gDNA Reaction Buffer                               | 100°C (212°F)         |                 |
|                         |                    | Alu I   | Not available.        |                 |
|                         |                    | Rsa I   | Not available.        |                 |
|                         |                    | 10X Restriction Enzyme Buffer                         | Not available.        |                 |
|                         |                    | BSA   | 100°C (212°F)         |                 |
|                         |                    | Exo(-) Klenow   | Not available.        |                 |
|                         |                    | Cyanine-3-dUTP  | 100°C (212°F)         |                 |
|                         |                    | Cyanine-5-dUTP  | 100°C (212°F)         |                 |
|                         |                    | 2X HI-RPM Hybridization Buffer                        | Not available.        |                 |
|                         |                    | 10X aCGH Blocking Agent                               | Not available.        |                 |
|                         |                    | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | 100°C (212°F)         |                 |
|                         |                    | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | 100°C (212°F)         |                 |
|                         |                    | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.        |                 |
|                         | <b>Flash point</b> | :   | ☑ Nuclease Free Water | Not applicable. |
|                         |                    |   | Random Primers        | Not available.  |
|                         |                    | 5X gDNA Reaction Buffer                               | Not available.        |                 |
|                         |                    | Alu I   | Not available.        |                 |
|                         |                    | Rsa I   | Not available.        |                 |
|                         |                    | 10X Restriction Enzyme Buffer                         | Not available.        |                 |
|                         |                    | BSA   | Not available.        |                 |
|                         |                    | Exo(-) Klenow   | Not available.        |                 |
|                         |                    | Cyanine-3-dUTP  | Not available.        |                 |
|                         |                    | Cyanine-5-dUTP  | Not available.        |                 |
|                         |                    | 2X HI-RPM Hybridization Buffer                        | Not available.        |                 |
|                         |                    | 10X aCGH Blocking Agent                               | Not available.        |                 |
|                         |                    | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.        |                 |
|                         |                    | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.        |                 |
|                         |                    | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.        |                 |
| <b>Evaporation rate</b> |                    | :   | ☑ Nuclease Free Water | Not available.  |
|                         |                    |   | Random Primers        | Not available.  |
|                         |                    | 5X gDNA Reaction Buffer                               | Not available.        |                 |
|                         |                    | Alu I   | Not available.        |                 |
|                         |                    | Rsa I   | Not available.        |                 |
|                         |                    | 10X Restriction Enzyme Buffer                         | Not available.        |                 |
|                         |                    | BSA   | Not available.        |                 |
|                         |                    | Exo(-) Klenow   | Not available.        |                 |
|                         |                    | Cyanine-3-dUTP  | Not available.        |                 |
|                         |                    | Cyanine-5-dUTP  | Not available.        |                 |
|                         |                    | 2X HI-RPM Hybridization Buffer                        | Not available.        |                 |
|                         |                    | 10X aCGH Blocking Agent                               | Not available.        |                 |
|                         |                    | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.        |                 |
|                         |                    | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.        |                 |
|                         |                    | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.        |                 |

## Section 9. Physical and chemical properties

|   |   |   |
|---|---|---|
| <b>Flammability (solid, gas)</b>                    | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not available.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>Not available.                               |
| <b>Lower and upper explosive (flammable) limits</b> | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.  |
| <b>Vapor pressure</b>                               | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | 3.2 kPa (23.8 mm Hg) [room temperature]<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available. |
| <b>Vapor density</b>                                | :   |   |

## Section 9. Physical and chemical properties

|                         |   |  |
|-------------------------|---|--|
|                         | ☑ Nuclease Free Water                                 | 0.62 [Air = 1]   |
|                         | Random Primers  | Not available.   |
|                         | 5X gDNA Reaction Buffer                               | Not available.   |
|                         | Alu I   | Not available.   |
|                         | Rsa I   | Not available.   |
|                         | 10X Restriction Enzyme Buffer                         | Not available.   |
|                         | BSA   | Not available.   |
|                         | Exo(-) Klenow   | Not available.   |
|                         | Cyanine-3-dUTP  | Not available.   |
|                         | Cyanine-5-dUTP  | Not available.   |
|                         | 2X HI-RPM Hybridization Buffer                        | Not available.   |
|                         | 10X aCGH Blocking Agent                               | Not available.   |
|                         | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.   |
|                         | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.   |
|                         | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.   |
| <b>Relative density</b> | ☑ Nuclease Free Water                                 | 1  |
|                         | Random Primers  | Not available.   |
|                         | 5X gDNA Reaction Buffer                               | Not available.   |
|                         | Alu I   | Not available.   |
|                         | Rsa I   | Not available.   |
|                         | 10X Restriction Enzyme Buffer                         | Not available.   |
|                         | BSA   | Not available.   |
|                         | Exo(-) Klenow   | Not available.   |
|                         | Cyanine-3-dUTP  | Not available.   |
|                         | Cyanine-5-dUTP  | Not available.   |
|                         | 2X HI-RPM Hybridization Buffer                        | Not available.   |
|                         | 10X aCGH Blocking Agent                               | Not available.   |
|                         | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.   |
|                         | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.   |
|                         | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.   |
| <b>Solubility</b>       | ☑ Nuclease Free Water                                 | Easily soluble in the following materials: cold water and hot water. |
|                         | Random Primers  | Easily soluble in the following materials: cold water and hot water. |
|                         | 5X gDNA Reaction Buffer                               | Easily soluble in the following materials: cold water and hot water. |
|                         | Alu I   | Soluble in the following materials: cold water and hot water.        |
|                         | Rsa I   | Soluble in the following materials: cold water and hot water.        |
|                         | 10X Restriction Enzyme Buffer                         | Easily soluble in the following materials: cold water and hot water. |
|                         | BSA   | Easily soluble in the following materials: cold water and hot water. |
|                         | Exo(-) Klenow   | Soluble in the following materials: cold water and hot water.        |
|                         | Cyanine-3-dUTP  | Easily soluble in the following materials: cold water and hot water. |
|                         | Cyanine-5-dUTP  | Easily soluble in the following materials: cold water and hot water. |
|                         | 2X HI-RPM Hybridization Buffer                        | Soluble in the following materials: cold water and hot water.        |

## Section 9. Physical and chemical properties

|   |   |  |
|---|---|--|
|   | 10X aCGH Blocking Agent                               | Soluble in the following materials: cold water and hot water.        |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Easily soluble in the following materials: cold water and hot water. |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Easily soluble in the following materials: cold water and hot water. |
|   | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Insoluble in the following materials: cold water and hot water.      |
| <b>Partition coefficient: n-octanol/water</b> | : Nuclease Free Water                                 | -1.38  |
|   | Random Primers  | Not available.   |
|   | 5X gDNA Reaction Buffer                               | Not available.   |
|   | Alu I   | Not available.   |
|   | Rsa I   | Not available.   |
|   | 10X Restriction Enzyme Buffer                         | Not available.   |
|   | BSA   | Not available.   |
|   | Exo(-) Klenow   | Not available.   |
|   | Cyanine-3-dUTP  | Not available.   |
|   | Cyanine-5-dUTP  | Not available.   |
|   | 2X HI-RPM Hybridization Buffer                        | Not available.   |
|   | 10X aCGH Blocking Agent                               | Not available.   |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.   |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.   |
|   | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.   |
| <b>Auto-ignition temperature</b>              | : Nuclease Free Water                                 | Not applicable.  |
|   | Random Primers  | Not available.   |
|   | 5X gDNA Reaction Buffer                               | Not available.   |
|   | Alu I   | Not available.   |
|   | Rsa I   | Not available.   |
|   | 10X Restriction Enzyme Buffer                         | Not available.   |
|   | BSA   | Not available.   |
|   | Exo(-) Klenow   | Not available.   |
|   | Cyanine-3-dUTP  | Not available.   |
|   | Cyanine-5-dUTP  | Not available.   |
|   | 2X HI-RPM Hybridization Buffer                        | Not available.   |
|   | 10X aCGH Blocking Agent                               | Not available.   |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.   |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available.   |
|   | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available.   |
| <b>Decomposition temperature</b>              | : Nuclease Free Water                                 | Not available.   |
|   | Random Primers  | Not available.   |
|   | 5X gDNA Reaction Buffer                               | Not available.   |
|   | Alu I   | Not available.   |
|   | Rsa I   | Not available.   |
|   | 10X Restriction Enzyme Buffer                         | Not available.   |
|   | BSA   | Not available.   |
|   | Exo(-) Klenow   | Not available.   |
|   | Cyanine-3-dUTP  | Not available.   |
|   | Cyanine-5-dUTP  | Not available.   |
|   | 2X HI-RPM Hybridization Buffer                        | Not available.   |
|   | 10X aCGH Blocking Agent                               | Not available.   |
|   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available.   |

## Section 9. Physical and chemical properties

|                  |   |                |
|------------------|---|----------------|
|                  | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available. |
|                  | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available. |
| <b>Viscosity</b> | : Nuclease Free Water                                 | Not available. |
|                  | Random Primers  | Not available. |
|                  | 5X gDNA Reaction Buffer                               | Not available. |
|                  | Alu I   | Not available. |
|                  | Rsa I   | Not available. |
|                  | 10X Restriction Enzyme Buffer                         | Not available. |
|                  | BSA   | Not available. |
|                  | Exo(-) Klenow   | Not available. |
|                  | Cyanine-3-dUTP  | Not available. |
|                  | Cyanine-5-dUTP  | Not available. |
|                  | 2X HI-RPM Hybridization Buffer                        | Not available. |
|                  | 10X aCGH Blocking Agent                               | Not available. |
|                  | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not available. |
|                  | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not available. |
|                  | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not available. |

## Section 10. Stability and reactivity

|                        |   |  |
|------------------------|---|--|
| <b>10.1 Reactivity</b> | : Nuclease Free Water                                 | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Random Primers  | No specific test data related to reactivity available for this product or its ingredients. |
|                        | 5X gDNA Reaction Buffer                               | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Alu I   | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Rsa I   | No specific test data related to reactivity available for this product or its ingredients. |
|                        | 10X Restriction Enzyme Buffer                         | No specific test data related to reactivity available for this product or its ingredients. |
|                        | BSA   | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Exo(-) Klenow   | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Cyanine-3-dUTP  | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Cyanine-5-dUTP  | No specific test data related to reactivity available for this product or its ingredients. |
|                        | 2X HI-RPM Hybridization Buffer                        | No specific test data related to reactivity available for this product or its ingredients. |
|                        | 10X aCGH Blocking Agent                               | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | No specific test data related to reactivity available for this product or its ingredients. |
|                        | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | No specific test data related to reactivity available for this product or its ingredients. |
|                        | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific test data related to reactivity available for this product or its ingredients. |



## Section 10. Stability and reactivity

|  |   |   |
|--|---|---|
| <b>10.2 Chemical stability</b>                 | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.<br>The product is stable.  |
| <b>10.3 Possibility of hazardous reactions</b> | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | 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.<br>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.<br>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.<br>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.<br>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.<br>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.<br>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.<br>Under normal conditions of storage and use, hazardous reactions will not occur. |
| <b>10.4 Conditions to avoid</b>                | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow   | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.  |

## Section 10. Stability and reactivity

|   |                   |
|---|-------------------|
| Cyanine-3-dUTP  | No specific data. |
| Cyanine-5-dUTP  | No specific data. |
| 2X HI-RPM Hybridization Buffer                        | No specific data. |
| 10X aCGH Blocking Agent                               | No specific data. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | No specific data. |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | No specific data. |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific data. |

|                                    |   |   |  |
|------------------------------------|---|---|--|
| <b>10.5 Incompatible materials</b> | : | <ul style="list-style-type: none"> <li>☒ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> <li>10X aCGH Blocking Agent</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</li> </ul> | <ul style="list-style-type: none"> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> <li>May react or be incompatible with oxidizing materials.</li> </ul> |
|------------------------------------|---|---|--|

|  |   |   |  |
|--|---|---|--|
| <b>10.6 Hazardous decomposition products</b> | : | <ul style="list-style-type: none"> <li>☒ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> </ul> | <ul style="list-style-type: none"> <li>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> <li>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> <li>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> <li>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> <li>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> <li>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> </ul> |
|--|---|---|--|

## Section 10. Stability and reactivity

|   |  |
|---|--|
| BSA   | hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Exo(-) Klenow   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |
| Cyanine-3-dUTP  | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |
| Cyanine-5-dUTP  | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |
| 2X HI-RPM Hybridization Buffer                        | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |
| 10X aCGH Blocking Agent                               | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                                   | Result  | Species              | Dose                                   | Exposure          |
|---|---|----------------------|--|-------------------|
| <b>5X gDNA Reaction Buffer</b><br>2-Mercaptoethanol       | LD50 Dermal<br>LD50 Oral                                      | Rabbit<br>Rat        | 167.1 mg/kg<br>244 mg/kg               | -<br>-            |
| <b>Alu I</b><br>Glycerol                                  | LD50 Oral   | Rat                  | 12600 mg/kg                            | -                 |
| <b>Rsa I</b><br>Glycerol<br>Sodium chloride               | LD50 Oral<br>LD50 Oral  | Rat<br>Rat           | 12600 mg/kg<br>3000 mg/kg              | -<br>-            |
| <b>10X Restriction Enzyme Buffer</b><br>Sodium chloride   | LD50 Oral   | Rat                  | 3000 mg/kg                             | -                 |
| <b>Exo(-) Klenow</b><br>Glycerol                          | LD50 Oral   | Rat                  | 12600 mg/kg                            | -                 |
| <b>2X HI-RPM Hybridization Buffer</b><br>Lithium chloride | LC50 Inhalation Dusts and mists<br>LD50 Dermal<br>LD50 Dermal | Rat<br>Rabbit<br>Rat | >5.57 mg/l<br>1629 mg/kg<br>1488 mg/kg | 4 hours<br>-<br>- |

## Section 11. Toxicological information

|   |                                 |        |             |         |
|---|---------------------------------|--------|-------------|---------|
| Lithium dodecyl sulphate  | LD50 Oral                       | Rat    | 526 mg/kg   | -       |
| Polyoxyethylene octyl phenyl ether  | LD50 Oral                       | Rat    | >5000 mg/kg | -       |
|   | LD50 Oral                       | Rat    | 1800 mg/kg  | -       |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxanyl]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  | -       |
| <b>10X aCGH Blocking Agent</b>  |                                 |        |             |         |
| Trometamol  | LD50 Dermal                     | Rat    | >5000 mg/kg | -       |
|   | LD50 Oral                       | Rat    | 5000 mg/kg  | -       |

### Irritation/Corrosion

| Product/ingredient name                                   | Result                   | Species | Score | Exposure                | Observation |
|---|--------------------------|---------|-------|-------------------------|-------------|
| <b>5X gDNA Reaction Buffer</b><br>2-Mercaptoethanol       | Eyes - Severe irritant   | Rabbit  | -     | 2 milligrams            | -           |
| <b>Alu I</b><br>Glycerol                                  | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
|   | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
| <b>Rsa I</b><br>Glycerol                                  | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
|   | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
| Sodium chloride   | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams | -           |
|   | Eyes - Moderate irritant | Rabbit  | -     | 10 milligrams           | -           |
|   | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
| <b>10X Restriction Enzyme Buffer</b><br>Sodium chloride   | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams | -           |
|   | Eyes - Moderate irritant | Rabbit  | -     | 10 milligrams           | -           |
|   | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
| <b>Exo(-) Klenow</b><br>Glycerol                          | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
|   | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
| <b>2X HI-RPM Hybridization Buffer</b><br>Lithium chloride | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams | -           |
|   | Skin - Severe irritant   | Rabbit  | -     | 24 hours 500 milligrams | -           |

## Section 11. Toxicological information

|   |                          |        |   |                          |   |
|---|--------------------------|--------|---|--------------------------|---|
| 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-(trimethylsilyl)oxy]-1-disiloxanyl]propyl ether | Skin - Mild irritant     | Rabbit | - | -                        | - |
|   | Eyes - Severe irritant   | Rabbit | - | -                        | - |
| <b>10X aCGH Blocking Agent</b><br>Trometamol  | Skin - Moderate irritant | Rabbit | - | 25 Percent               | - |
|   | Skin - Severe irritant   | Rabbit | - | 500 milligrams           | - |

### Sensitization

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

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

| Name  | Category   | Route of exposure | Target organs                |
|---|------------|-------------------|------------------------------|
| <b>5X gDNA Reaction Buffer</b><br>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride       | Category 3 | Not applicable.   | Respiratory tract irritation |
| 2-Mercaptoethanol   | Category 3 | Not applicable.   | Respiratory tract irritation |
| <b>10X Restriction Enzyme Buffer</b><br>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | Category 3 | Not applicable.   | Respiratory tract irritation |
| <b>2X HI-RPM Hybridization Buffer</b><br>4-Morpholineethanesulfonic acid, hydrate (1:1)         | Category 3 | Not applicable.   | Respiratory tract irritation |
| Lithium chloride  | Category 3 | Not applicable.   | Respiratory tract irritation |
| Lithium dodecyl sulphate  | Category 3 | Not applicable.   | Respiratory tract irritation |

## Section 11. Toxicological information

|   |            |                 |                              |
|---|------------|-----------------|------------------------------|
| Polyoxyethylene octyl phenyl ether  | Category 3 | Not applicable. | Respiratory tract irritation |
| <b>10X aCGH Blocking Agent</b><br>Trometamol                                    | Category 3 | Not applicable. | Respiratory tract irritation |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride                         | Category 3 | Not applicable. | Respiratory tract irritation |
| <b>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</b><br>Sodium silicate | Category 3 | Not applicable. | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

| Name  | Category   | Route of exposure | Target organs  |
|---|------------|-------------------|--|
| <b>2X HI-RPM Hybridization Buffer</b><br>Lithium chloride | Category 2 | Not determined    | cardiovascular system, central nervous system (CNS), kidneys and thyroid |

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> <li>10X aCGH Blocking Agent</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</li> </ul> | <ul style="list-style-type: none"> <li>Not available.</li> <li>Not available.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Not available.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Not available.</li> <li>Not available.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul> |
|---|--|

### Potential acute health effects



## Section 11. Toxicological information

|                     |   |  |
|---------------------|---|--|
| <b>Eye contact</b>  | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Causes eye irritation.<br>Causes serious eye irritation.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Causes eye irritation.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Causes serious eye irritation.<br>Causes serious eye irritation.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.   |
| <b>Inhalation</b>   | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>May cause respiratory irritation.<br>No known significant effects or critical hazards. |
| <b>Skin contact</b> | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>May cause an allergic skin reaction.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Causes skin irritation.<br>Causes skin irritation.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.  |

## Section 11. Toxicological information

|                  |   |   |
|------------------|---|---|
| <b>Ingestion</b> | : Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
|------------------|---|---|

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

|                    |   |  |
|--------------------|---|--|
| <b>Eye contact</b> | : Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br><br>Rsa I<br><br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br><br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br><br>10X aCGH Blocking Agent<br><br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific data.<br>No specific data.<br>No specific data.<br>Adverse symptoms may include the following:<br>irritation<br>watering<br>redness<br>Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness<br>No specific data.<br>No specific data.<br>Adverse symptoms may include the following:<br>irritation<br>watering<br>redness<br>No specific data.<br>No specific data.<br>Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness<br>Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness<br>No specific data.<br>No specific data.<br>No specific data. |
|--------------------|---|--|

## Section 11. Toxicological information

|                     |   |   |   |
|---------------------|---|---|---|
| <b>Inhalation</b>   | :   | ☑ Nuclease Free Water                         | No specific data.   |
|                     |   | Random Primers                                | No specific data.   |
|                     |   | 5X gDNA Reaction Buffer                       | No specific data.   |
|                     |   | Alu I   | No specific data.   |
|                     |   | Rsa I   | No specific data.   |
|                     |   | 10X Restriction Enzyme Buffer                 | No specific data.   |
|                     |   | BSA   | No specific data.   |
|                     |   | Exo(-) Klenow                                 | No specific data.   |
|                     |   | Cyanine-3-dUTP                                | No specific data.   |
|                     |   | Cyanine-5-dUTP                                | No specific data.   |
|                     |   | 2X HI-RPM Hybridization Buffer                | No specific data.   |
|                     |   | 10X aCGH Blocking Agent                       | Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing |
|                     |   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 | No specific data.   |
|                     |   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 | No specific data.   |
|                     | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific data.                             |   |
| <b>Skin contact</b> | :   | ☑ Nuclease Free Water                         | No specific data.   |
|                     |   | Random Primers                                | No specific data.   |
|                     |   | 5X gDNA Reaction Buffer                       | Adverse symptoms may include the following:<br>irritation<br>redness                    |
|                     |   | Alu I   | No specific data.   |
|                     |   | Rsa I   | No specific data.   |
|                     |   | 10X Restriction Enzyme Buffer                 | No specific data.   |
|                     |   | BSA   | No specific data.   |
|                     |   | Exo(-) Klenow                                 | No specific data.   |
|                     |   | Cyanine-3-dUTP                                | No specific data.   |
|                     |   | Cyanine-5-dUTP                                | No specific data.   |
|                     |   | 2X HI-RPM Hybridization Buffer                | Adverse symptoms may include the following:<br>irritation<br>redness                    |
|                     |   | 10X aCGH Blocking Agent                       | Adverse symptoms may include the following:<br>irritation<br>redness                    |
|                     |   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 | No specific data.   |
|                     |   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 | No specific data.   |
|                     | SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No specific data.                             |   |
| <b>Ingestion</b>    | :   | ☑ Nuclease Free Water                         | No specific data.   |
|                     |   | Random Primers                                | No specific data.   |
|                     |   | 5X gDNA Reaction Buffer                       | No specific data.   |
|                     |   | Alu I   | No specific data.   |
|                     |   | Rsa I   | No specific data.   |
|                     |   | 10X Restriction Enzyme Buffer                 | No specific data.   |
|                     |   | BSA   | No specific data.   |
|                     |   | Exo(-) Klenow                                 | No specific data.   |
|                     |   | Cyanine-3-dUTP                                | No specific data.   |
|                     |   | Cyanine-5-dUTP                                | No specific data.   |
|                     |   | 2X HI-RPM Hybridization Buffer                | No specific data.   |
|                     |   | 10X aCGH Blocking Agent                       | No specific data.   |
|                     |   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 | No specific data.   |
|                     |   | Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 | No specific data.   |

## Section 11. Toxicological information

Wash Buffer 2  
SurePrint G3 CGH+SNP or  
Cancer CGH+SNP arrays, 4x180K

No specific data.

### Delayed and immediate effects and also 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>         | <ul style="list-style-type: none"> <li>☑ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> <li>10X aCGH Blocking Agent</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</li> </ul> | <ul style="list-style-type: none"> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>May cause damage to organs through prolonged or repeated exposure.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul> |
| <b>Carcinogenicity</b> | <ul style="list-style-type: none"> <li>☑ Nuclease Free Water</li> <li>Random Primers</li> <li>5X gDNA Reaction Buffer</li> <li>Alu I</li> <li>Rsa I</li> <li>10X Restriction Enzyme Buffer</li> <li>BSA</li> <li>Exo(-) Klenow</li> <li>Cyanine-3-dUTP</li> <li>Cyanine-5-dUTP</li> <li>2X HI-RPM Hybridization Buffer</li> <li>10X aCGH Blocking Agent</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</li> <li>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</li> <li>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K</li> </ul> | <ul style="list-style-type: none"> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul>  |

## Section 11. Toxicological information

|                              |   |  |
|------------------------------|---|--|
| <b>Mutagenicity</b>          | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Teratogenicity</b>        | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : <input checked="" type="checkbox"/> Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |

## Section 11. Toxicological information

|                          |  |   |
|--------------------------|--|---|
| <b>Fertility effects</b> | : Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or<br>Cancer CGH+SNP arrays, 4x180K | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
|--------------------------|--|---|

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route   | ATE value      |
|---|----------------|
| <b>Rsa I</b><br>Oral                          | 172414.5 mg/kg |
| <b>10X Restriction Enzyme Buffer</b><br>Oral  | 103448.3 mg/kg |
| <b>2X HI-RPM Hybridization Buffer</b><br>Oral | 5725.5 mg/kg   |
| Dermal  | 19854.9 mg/kg  |
| Inhalation (dusts and mists)                  | 29.51 mg/l     |
| <b>10X aCGH Blocking Agent</b><br>Oral        | 25030 mg/kg    |

|                          |  |  |
|--------------------------|--|--|
| <b>Other information</b> | : Nuclease Free Water<br>Random Primers<br>5X gDNA Reaction Buffer<br><br>Alu I<br>Rsa I<br>10X Restriction Enzyme Buffer<br>BSA<br>Exo(-) Klenow<br>Cyanine-3-dUTP<br>Cyanine-5-dUTP<br>2X HI-RPM Hybridization Buffer<br>10X aCGH Blocking Agent<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1<br>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2<br>SurePrint G3 CGH+SNP or<br>Cancer CGH+SNP arrays, 4x180K | Not available.<br>Not available.<br>Adverse symptoms may include the following: May cause sensitization by skin contact.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available. |
|--------------------------|--|--|



## Section 12. Ecological information

### 12.1 Toxicity

| Product/ingredient name   | Result                              | Species   | Exposure |
|---|-------------------------------------|---|----------|
| <b>Afu I</b><br>Glycerol  | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss  | 96 hours |
| <b>Rsa I</b><br>Glycerol  | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss  | 96 hours |
| Sodium chloride   | Acute EC50 4.74 g/L Fresh water     | Algae - Chlamydomonas reinhardtii   | 96 hours |
|   | Acute EC50 519.6 mg/l Fresh water   | Crustaceans - Cypris subglobosa   | 48 hours |
|   | Acute EC50 402600 µg/l Fresh water  | Daphnia - Daphnia magna   | 48 hours |
|   | Acute IC50 6.87 g/L Fresh water     | Aquatic plants - Lemna minor  | 96 hours |
|   | Acute LC50 1000000 µg/l Fresh water | Fish - Morone saxatilis - Larvae  | 96 hours |
|   | Chronic LC10 781 mg/l Fresh water   | Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) | 3 weeks  |
|   | Chronic NOEC 6 g/L Fresh water      | Aquatic plants - Lemna minor  | 96 hours |
|   | Chronic NOEC 0.314 g/L Fresh water  | Daphnia - Daphnia pulex   | 21 days  |
|   | Chronic NOEC 100 mg/l Fresh water   | Fish - Gambusia holbrooki - Adult   | 8 weeks  |
| <b>10X Restriction Enzyme Buffer</b><br>Sodium chloride   | Acute EC50 4.74 g/L Fresh water     | Algae - Chlamydomonas reinhardtii   | 96 hours |
|   | Acute EC50 519.6 mg/l Fresh water   | Crustaceans - Cypris subglobosa   | 48 hours |
|   | Acute EC50 402600 µg/l Fresh water  | Daphnia - Daphnia magna   | 48 hours |
|   | Acute IC50 6.87 g/L Fresh water     | Aquatic plants - Lemna minor  | 96 hours |
|   | Acute LC50 1000000 µg/l Fresh water | Fish - Morone saxatilis - Larvae  | 96 hours |
|   | Chronic LC10 781 mg/l Fresh water   | Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) | 3 weeks  |
|   | Chronic NOEC 6 g/L Fresh water      | Aquatic plants - Lemna minor  | 96 hours |
|   | Chronic NOEC 0.314 g/L Fresh water  | Daphnia - Daphnia pulex   | 21 days  |
|   | Chronic NOEC 100 mg/l Fresh water   | Fish - Gambusia holbrooki - Adult   | 8 weeks  |
| <b>Exo(-) Klenow</b><br>Glycerol  | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss  | 96 hours |
| <b>2X HI-RPM Hybridization Buffer</b><br>Lithium chloride   | Acute EC50 112 mg/l Fresh water     | Algae   | 72 hours |
|   | Acute EC50 249 mg/l Fresh water     | Daphnia   | 48 hours |
|   | Acute LC50 17000 µg/l Fresh water   | Fish - Ptychocheilus lucius - Swim-up                                     | 96 hours |
|   | Acute NOEC 25 mg/l Fresh water      | Algae   | 72 hours |
|   | Acute NOEC 63.4 mg/l Fresh water    | Daphnia   | 48 hours |
|   | Acute NOEC 59.4 mg/l Fresh water    | Fish  | 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 |

## Section 12. Ecological information

|  |   |                    |                      |
|--|---|--------------------|----------------------|
| <b>10X aCGH Blocking Agent</b><br>Trometamol | Acute EC50 >980 mg/l Fresh water<br>Acute NOEC 520 mg/l Fresh water | Daphnia<br>Daphnia | 48 hours<br>48 hours |
|--|---|--------------------|----------------------|

### 12.2 Persistence and degradability

| Product/ingredient name                             | Test  | Result                    | Dose    | Inoculum |
|---|---|---------------------------|---------|----------|
| <b>5X gDNA Reaction Buffer</b><br>2-Mercaptoethanol | OECD 310<br>Ready<br>Biodegradability -<br>CO <sub>2</sub> in Sealed<br>Vessels<br>(Headspace Test) | 69 % - Inherent - 60 days | 20 mg/l | -        |
| <b>Alu I</b><br>Glycerol                            | 301D Ready<br>Biodegradability -<br>Closed Bottle<br>Test   | 93 % - 30 days            | -       | -        |
| <b>Rsa I</b><br>Glycerol                            | 301D Ready<br>Biodegradability -<br>Closed Bottle<br>Test   | 93 % - 30 days            | -       | -        |
| <b>Exo(-) Klenow</b><br>Glycerol                    | 301D Ready<br>Biodegradability -<br>Closed Bottle<br>Test   | 93 % - 30 days            | -       | -        |

| Product/ingredient name                                   | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| <b>Nuclease Free Water</b><br>Water                       | -                 | -          | Readily          |
| <b>2X HI-RPM Hybridization Buffer</b><br>Lithium chloride | -                 | -          | Readily          |
| Polyoxyethylene octyl phenyl ether                        | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name                             | LogP <sub>ow</sub> | BCF | Potential |
|---|--------------------|-----|-----------|
| <b>Nuclease Free Water</b><br>Water                 | -1.38              | -   | low       |
| <b>5X gDNA Reaction Buffer</b><br>2-Mercaptoethanol | -0.056             | -   | low       |
| <b>Alu I</b><br>Glycerol                            | -1.76              | -   | low       |

## Section 12. Ecological information

|   |       |   |      |
|---|-------|---|------|
| <b>Rsa I</b><br>Glycerol  | -1.76 | - | low  |
| <b>Exo(-) Klenow</b><br>Glycerol  | -1.76 | - | low  |
| <b>2X HI-RPM Hybridization Buffer</b><br>Polyoxyethylene octyl phenyl ether | 4.86  | - | high |
| <b>10X aCGH Blocking Agent</b><br>Trometamol                                | -1.56 | - | low  |

### 12.4 Mobility in soil

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

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

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** : The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.**

**The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

## Section 14. Transport information

**DOT / TDG / Mexico / IMDG / IATA** : Not regulated.

**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.

## Section 14. Transport information

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

**U.S. Federal regulations** : TSCA 8(a) PAIR: Polyoxyethylene octyl phenyl ether  
 TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
 Clean Water Act (CWA) 311: Edetic acid; Sodium hydroxide

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

### SARA 311/312

#### Classification

|   |   |
|---|---|
| ☑ Nuclease Free Water                                 | Not applicable.   |
| Random Primers  | Not applicable.   |
| 5X gDNA Reaction Buffer                               | SKIN SENSITIZATION - Category 1   |
| Alu I   | EYE IRRITATION - Category 2B  |
| Rsa I   | EYE IRRITATION - Category 2A  |
| 10X Restriction Enzyme Buffer                         | Not applicable.   |
| BSA   | Not applicable.   |
| Exo(-) Klenow   | EYE IRRITATION - Category 2B  |
| Cyanine-3-dUTP  | Not applicable.   |
| Cyanine-5-dUTP  | Not applicable.   |
| 2X HI-RPM Hybridization Buffer                        | SKIN IRRITATION - Category 2  |
|   | EYE IRRITATION - Category 2A  |
|   | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (cardiovascular system, central nervous system (CNS), kidneys, thyroid) - Category 2 |
|   | SKIN IRRITATION - Category 2  |
|   | EYE IRRITATION - Category 2A  |
|   | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  |
|   | Not applicable.   |
| 10X aCGH Blocking Agent                               | Not applicable.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1         | Not applicable.   |
| Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2         | Not applicable.   |
| SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K | Not applicable.   |

#### Composition/information on ingredients

## Section 15. Regulatory information

| Name  | %         | Classification  |
|---|-----------|---|
| <b>5X gDNA Reaction Buffer</b>  |           |   |
| 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride  | ≤5        | SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  |
| 2-Mercaptoethanol   | <1        | FLAMMABLE LIQUIDS - Category 4<br>ACUTE TOXICITY (oral) - Category 3<br>ACUTE TOXICITY (dermal) - Category 2<br>ACUTE TOXICITY (inhalation) - Category 2<br>SKIN IRRITATION - Category 2<br>SERIOUS EYE DAMAGE - Category 1<br>SKIN SENSITIZATION - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3                        |
| <b>Alu I</b>  |           |   |
| Glycerol  | ≥50 - ≤75 | EYE IRRITATION - Category 2A  |
| Trisodium citrate   | ≤3        | COMBUSTIBLE DUSTS   |
| <b>Rsa I</b>  |           |   |
| Glycerol  | ≥50 - ≤75 | EYE IRRITATION - Category 2A  |
| Sodium chloride   | ≤3        | EYE IRRITATION - Category 2A  |
| <b>10X Restriction Enzyme Buffer</b>  |           |   |
| Sodium chloride   | ≤3        | EYE IRRITATION - Category 2A  |
| 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride  | ≤3        | SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  |
| <b>Exo(-) Klenow</b>  |           |   |
| Glycerol  | ≥50 - ≤75 | EYE IRRITATION - Category 2A  |
| <b>2X HI-RPM Hybridization Buffer</b>   |           |   |
| 4-Morpholineethanesulfonic acid, hydrate (1:1)  | ≤7.7      | COMBUSTIBLE DUSTS<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3   |
| Lithium chloride  | ≤6.2      | ACUTE TOXICITY (oral) - Category 4<br>ACUTE TOXICITY (dermal) - Category 4<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (cardiovascular system, central nervous system (CNS), kidneys, thyroid) - Category 2 |
| Lithium dodecyl sulphate  | ≤3        | FLAMMABLE SOLIDS - Category 1<br>COMBUSTIBLE DUSTS<br>ACUTE TOXICITY (oral) - Category 4<br>ACUTE TOXICITY (inhalation) - Category 4<br>SKIN IRRITATION - Category 2<br>SERIOUS EYE DAMAGE - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3   |
| Polyoxyethylene octyl phenyl ether  | ≤2        | ACUTE TOXICITY (oral) - Category 4<br>SKIN IRRITATION - Category 2<br>SERIOUS EYE DAMAGE - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3   |
| Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propyl] ether | ≤1.5      | ACUTE TOXICITY (dermal) - Category 4<br>ACUTE TOXICITY (inhalation) - Category 4<br>EYE IRRITATION - Category 2A  |

## Section 15. Regulatory information

|   |           |   |
|---|-----------|---|
| <b>10X aCGH Blocking Agent</b><br>Trometamol  | ≥10 - ≤25 | COMBUSTIBLE DUSTS<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |
| 2-Amino-2-(hydroxymethyl)<br>propane-1,3-diol hydrochloride                             | ≥10 - ≤25 | SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3                      |
| <b>SurePrint G3 CGH+SNP or<br/>Cancer CGH+SNP arrays,<br/>4x180K</b><br>Sodium silicate | ≥90       | SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3                      |

### State regulations

- Massachusetts** : The following components are listed: GLYCERINE MIST
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL
- Pennsylvania** : The following components are listed: 1,2,3-PROPANETRIOL

### 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

- Australia** : Not determined.
- Canada** : Not determined.
- China** : Not determined.
- Europe** : Not determined.
- Japan** : **Japan inventory (ENCS)**: Not determined.  
**Japan inventory (ISHL)**: Not determined.
- Malaysia** : Not determined.
- New Zealand** : Not determined.
- Philippines** : Not determined.
- Republic of Korea** : Not determined.
- Taiwan** : Not determined.
- Thailand** : Not determined.
- Turkey** : Not determined.



## Section 15. Regulatory information

**United States** : Not determined.  
**Viet Nam** :  Not determined.

## Section 16. Other information

### History

**Date of issue** : 08/15/2018  
**Date of previous issue** : 06/10/2016  
**Version** : 4

### Procedure used to derive the classification

| Classification  | Justification  |
|---|--|
| <input checked="" type="checkbox"/> <b>5X gDNA Reaction Buffer</b><br>SKIN SENSITIZATION - Category 1   | Calculation method   |
| <b>Alu I</b><br>EYE IRRITATION - Category 2B  | Calculation method   |
| <b>Rsa I</b><br>EYE IRRITATION - Category 2A  | Calculation method   |
| <b>Exo(-) Klenow</b><br>EYE IRRITATION - Category 2B  | Calculation method   |
| <b>2X HI-RPM Hybridization Buffer</b><br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (cardiovascular system, central nervous system (CNS), kidneys, thyroid) - Category 2<br>AQUATIC HAZARD (ACUTE) - Category 3 | Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |
| <b>10X aCGH Blocking Agent</b><br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  | Calculation method<br>Calculation method<br>Calculation method                       |

Indicates information that has changed from previously issued version.

### Notice to reader

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

**Note \*** :  **SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K:** This component is considered an article. Information provided is based on the encapsulated substance or mixture in this article.