

**Safety Data Sheet (SDS)** According to the REACH Regulation (EC) No. 1907/2006

**Issuing Date:** 2017-11-03

**Version:** 1

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

### **1.1. Product identifier**

|                                  |                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product No</b>                | 9014                                                                                                                                                      |
| <b>Product name</b>              | SimpleChIP® Human PRF1 Promoter Primers                                                                                                                   |
| <b>Reach registration number</b> | This substance/mixture contains only ingredients which have been registered, or are exempt from registration, according to Regulation (EC) No. 1907/2006. |

### **Contains**

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

|                        |                       |
|------------------------|-----------------------|
| <b>Identified uses</b> | For research use only |
|------------------------|-----------------------|

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

|                                         |                                 |
|-----------------------------------------|---------------------------------|
| <b>Importer (Applicable in EU only)</b> | <b>Manufacturer</b>             |
| Cell Signaling Technology Europe B.V.   | Cell Signaling Technology, Inc. |
| Schuttersveld 2                         | 3 Trask Lane                    |
| 2316 ZA Leiden                          | Danvers, MA 01923               |
| The Netherlands                         | United States                   |
| TEL: +31 (0)71 7200 200                 | TEL: +1 978 867 2300            |
| FAX: +31 (0)71 891 0098                 | FAX: +1 978 867 2400            |

|                       |                    |
|-----------------------|--------------------|
| <b>Website</b>        | www.cellsignal.com |
| <b>E-mail Address</b> | info@cellsignal.eu |

### **1.4. Emergency telephone number**

**CHEMTREC** 24 hours a day, 7 days a week, 365 days a year  
+1 703 527 3887 (INTERNATIONAL) +1 800 424 9300 (NORTH AMERICA)

|               |     |
|---------------|-----|
| <b>Europe</b> | 112 |
|---------------|-----|

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

**Regulation (EC) No. 1272/2008**

This substance/mixture does not meet the criteria for classification in accordance with Regulation (EC) No. 1272/2008.

### **2.2. Label elements**

**Signal word**  
Not classified

### **2.3. Other hazards**

## 9014 SimpleChIP® Human PRF1 Promoter Primers

0 % of the mixture consists of ingredient(s) of unknown acute toxicity.

For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16

### SECTION 3: Composition/information on ingredients

**Chemical nature** Aqueous solution of deoxyribonucleic acid oligonucleotides.

For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                       |                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice.   |
| <b>Inhalation</b>     | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.     |
| <b>Skin contact</b>   | Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.                                      |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.                              |
| <b>Ingestion</b>      | Clean mouth with water and afterwards drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell. |

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

None.

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

**Notes to physician** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                       |                                                                                                         |
|---------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Unsuitable Extinguishing Media</b> | No information available.                                                                               |

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

None known.

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

### SECTION 6: Accidental release measures

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

|                                    |                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------|
| <b>For non-emergency personnel</b> | Avoid contact with skin, eyes and clothing. For personal protection see section 8. |
| <b>For emergency responders</b>    | Use personal protection recommended in Section 8.                                  |

#### 6.2. Environmental precautions

## 9014 SimpleChIP® Human PRF1 Promoter Primers

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No special environmental precautions required. Prevent further leakage or spillage if safe to do so. See Section 12 for more information.

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

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### **6.4. Reference to other sections**

See Sections 8 & 13 for additional information.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

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

Keep container tightly closed in a dry and well-ventilated place.

### **7.3. Specific end use(s)**

Use as a laboratory reagent.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

The product does not contain any hazardous materials with occupational exposure limits established.

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Showers, eyewash stations, and ventilation systems.

#### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Tightly fitting safety goggles

##### **Skin protection**

###### **Hand protection**

Impervious gloves.

###### **Other**

Wear suitable protective clothing.

##### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

#### **Environmental Exposure Controls**

No information available.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

#### **Physical state**

Liquid

#### **Appearance**

Clear

#### **Color**

Colorless

#### **Odor**

No information available

#### **Odor Threshold**

No information available

| <u>Property</u>                         | <u>Values</u>             | <u>Remarks • Method</u>   |
|-----------------------------------------|---------------------------|---------------------------|
| pH                                      |                           | No information available  |
| Melting point/freezing point            |                           | No information available  |
| Initial boiling point and boiling range |                           | No information available  |
| Flash point                             |                           | No information available. |
| Evaporation rate                        |                           | No information available  |
| Flammability (solid, gas)               |                           | No information available  |
| Upper flammability limit                |                           | No information available  |
| Lower flammability limit                |                           | No information available  |
| Vapor pressure                          |                           | No information available  |
| Vapor density                           |                           | No information available  |
| Relative density                        |                           | No information available  |
| Solubility                              |                           | No information available  |
| Partition coefficient: n-octanol/water  |                           | No information available  |
| Autoignition temperature                |                           | No information available  |
| Decomposition temperature               |                           | No information available. |
| Viscosity                               |                           | No information available  |
| Explosive properties                    |                           | No information available  |
| Oxidizing properties                    |                           | No information available  |
| <b><u>9.2. Other information</u></b>    |                           |                           |
| Softening point                         | No information available  |                           |
| Molecular Weight                        | No information available  |                           |
| Solubility in other solvents            | No information available  |                           |
| VOC content                             | No information available  |                           |
| Density                                 | No information available. |                           |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

|                                 |                                          |
|---------------------------------|------------------------------------------|
| <b>Hazardous polymerization</b> | Hazardous polymerization does not occur. |
| <b>Hazardous reactions</b>      | None under normal processing.            |

### 10.4. Conditions to avoid

None known based on information supplied.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

**Unknown Acute Toxicity** 0 % of the mixture consists of ingredient(s) of unknown acute toxicity.

**Information on likely routes of exposure**

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| <b>Inhalation</b>                        | May cause irritation of respiratory tract.                                      |
| <b>Eye contact</b>                       | Avoid contact with eyes. May cause slight irritation.                           |
| <b>Skin contact</b>                      | Avoid contact with skin. Substance may cause slight skin irritation.            |
| <b>Ingestion</b>                         | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| <b>Symptoms</b>                          | None.                                                                           |
| <b>Skin corrosion/irritation</b>         | No information available.                                                       |
| <b>Serious eye damage/eye irritation</b> | No information available.                                                       |
| <b>Sensitization</b>                     | No information available.                                                       |
| <b>Mutagenic effects</b>                 | No information available.                                                       |
| <b>Carcinogenic effects</b>              | No information available.                                                       |
| <b>Reproductive toxicity</b>             | No information available.                                                       |
| <b>STOT - single exposure</b>            | No information available.                                                       |
| <b>STOT - repeated exposure</b>          | No information available.                                                       |
| <b>Aspiration Hazard</b>                 | No information available.                                                       |
| <b>Other information</b>                 | No information available.                                                       |

## SECTION 12: Ecological information

### 12.1. Toxicity

None known

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Bioaccumulation</b>               | No information available. |
| <b>Bioconcentration factor (BCF)</b> | No information available. |

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                              |                                                                                                |
|----------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations.                                               |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| <b>Other information</b>                     | Waste codes should be assigned by the user based on the application for which the product      |

was used.

## SECTION 14: Transport information

### IMDG/IMO

|                                                                               |               |
|-------------------------------------------------------------------------------|---------------|
| 14.1 UN number                                                                | Not regulated |
| 14.2 UN proper shipping name                                                  | Not regulated |
| 14.3 Transport hazard class(es)                                               | Not regulated |
| 14.4 Packing group                                                            | Not regulated |
| 14.5 Environmental hazards                                                    | None          |
| 14.6 Special precautions for user                                             | None          |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not regulated |

### ADR/RID

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number                    | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | None          |
| 14.6 Special precautions for user | None          |

### IATA

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number                    | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | None          |
| 14.6 Special precautions for user | None          |

## SECTION 15: Regulatory information

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

#### Candidate List of Substances of Very High Concern for Authorization Information

This product does not contain Substances of Very High Concern (SVHC).

#### SEVESO Directive Information

This product does not contain substances identified in the SEVESO Directive.

#### International inventories

|               |   |
|---------------|---|
| TSCA 8(b)     | - |
| DSL/NDL       | - |
| EINECS/ELINCS | - |
| ENCS          | - |
| IECSC         | - |
| KECL          | - |
| PICCS         | - |
| AICS          | - |

#### International inventories legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out

## SECTION 16: Other information

### Full text of H-Statements referred to under Sections 2 and 3

This substance/mixture does not meet the criteria for classification in accordance with Regulation (EC) No. 1272/2008

**Classification procedure:** Expert judgment and weight of evidence determination.

**Issuing Date:** 2017-11-03

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.