

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

Issuing Date: 2017-10-02

Version: 1

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

1.1. Product identifier

| | |
|----------------------------------|---|
| Product No | 88989 |
| Product name | SimpleChIP® Universal qPCR Master Mix |
| Reach registration number | 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

| | |
|------------------------|-----------------------|
| Identified uses | For research use only |
|------------------------|-----------------------|

1.3. Details of the supplier of the safety data sheet

| | |
|---|---------------------------------|
| Importer (Applicable in EU only) | Manufacturer |
| 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 |

| | |
|-----------------------|--------------------|
| Website | www.cellsignal.com |
| E-mail Address | 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)

| | |
|---------------|-----|
| Europe | 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

Supplemental hazard statement(s)
EUH210 - Safety data sheet available on request

2.3. Other hazards

88989 SimpleChIP® Universal qPCR Master Mix

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 Name | CAS No | Weight % | EC No | Classification (1272/2008) | REACH Registration Number |
|---------------|--------------|----------|--------|----------------------------|---------------------------|
| Trade Secret | TRADE SECRET | 1-5 | Listed | - | no data available |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-----------------------|---|
| General advice | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down. Do not breathe dust/fume/gas/mist/vapors/spray. |
| Inhalation | Move to fresh air. |
| Skin contact | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Ingestion | Clean mouth with water and afterwards drink plenty of water. |

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

No information available.

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

| | |
|---------------------------------------|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable Extinguishing Media | CAUTION: Use of water spray when fighting fire may be inefficient. |

5.2. Special hazards arising from the substance or mixture

No information available.

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

| | |
|------------------------------------|--|
| For non-emergency personnel | Evacuate personnel to safe areas. Ensure adequate ventilation. |
| For emergency responders | Use personal protection recommended in Section 8. |

6.2. Environmental precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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.

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

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|---------------|----------------|---|--------|---|---|
| Trade Secret | | STEL: 450 ppm STEL: 1422 mg/m ³ TWA: 150 mg/m ³ ppmTWA: 474 mg/m ³ TWA: 10 mg/m ³ | | | |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| Trade Secret | | | | TWA: 25 ppm TWA: 79 mg/m ³ STEL: 37.5 ppm STEL: 118.5 mg/m ³ | TWA: 150 ppm TWA: 470 mg/m ³ STEL: 10 mg/m ³ STEL: 450 ppm STEL: 1410 mg/m ³ STEL: 30 mg/m ³ |

8.2. Exposure controls

Appropriate engineering controls
 Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses with side-shields
Skin protection
 Hand protection Impervious gloves.
 Other Wear suitable protective clothing.
Respiratory protection Use only with adequate ventilation.

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 | No information available |
| Color | Blue |
| Odor | Slight |
| Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|---------------|---------------------------|
| pH | 8.3 | 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 |

9.2. Other information

| | |
|-------------------------------------|---------------------------|
| 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

| | |
|---------------------------------|---|
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Hazardous reactions | Can react briskly with oxidizers - danger of explosion. |

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO₂).

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.

Hazardous Components

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|---------------------|------------------------|-------------------------------------|
| glycerol | = 12600 mg/kg (Rat) | > 10 g/kg (Rabbit) | > 570 mg/m ³ (Rat) 1 h |
| Trade Secret | = 20 g/kg (Rat) | = 20800 mg/kg (Rabbit) | - |

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

mg/kg mg/l

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Avoid breathing vapors or mists. |
| Eye contact | May cause redness, itching, and pain. |
| Skin contact | Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking. |
| Ingestion | May cause drowsiness and dizziness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

| | |
|--|---|
| Symptoms | No information available. |
| Skin corrosion/irritation | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Sensitization | No information available. |
| Mutagenic effects | No information available. |
| Carcinogenic effects | No information available. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Target Organ Effects | Eyes, Kidney, Respiratory system, Skin. |
| Aspiration Hazard | No information available. |
| Other information | No information available. |

SECTION 12: Ecological information

12.1. Toxicity

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|---------------|--|--|---|
| Trade Secret | 19000: 96 h Pseudokirchneriellasubcapitata mg/L EC50 | 51400: 96 h Pimephales promelasmg/L LC50 static 710: 96 hPimephales promelas mg/L LC5051600: 96 h Oncorhynchus mykissmg/L LC50 static 41 - 47: 96 hOncorhynchus mykiss mL/L LC50static | 10000: 24 h Daphnia magna mg/LEC50 1000: 48 h Daphnia magnamg/L EC50 Static |

Unknown Aquatic Toxicity 2.156% of the mixture consists of components of unknown hazards to the aquatic environment.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

| | |
|--------------------------------------|---------------------------|
| Bioaccumulation | No information available. |
| Bioconcentration factor (BCF) | 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

| | |
|--|---|
| Waste from residues / unused products | Dispose of in accordance with local regulations. |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| Other information | 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.

Occupational Illnesses (R-463-3, France)

| Chemical Name | French RG number | Title |
|---------------|------------------|-------|
| Trade Secret | RG 84 | |
| TRADE SECRET | | |

International inventories

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

International inventories legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - 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: 2017-10-02

Disclaimer

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