



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

## 300-0312 - ELISA Buffer (10X)

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

#### 1.1. Product identifier

Document Number 10000010680  
 Product Name ELISA Buffer (10X)  
 Pure substance/mixture Mixture

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

Recommended Use Laboratory reagent  
 Uses advised against No information available

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

##### Manufacturer

STEMCELL Technologies SARL  
 40 Rue des Berges, Miniparc Polytec, Bâtiment Sirocco, 38000 Grenoble, France  
 +33 (0) 4 76 04 75 30  
 STEMCELL Technologies Germany GmbH  
 Stolberger Str. 200, 50933, Köln, Germany  
 +33 (0) 4 76 04 75 30  
 STEMCELL Technologies UK Ltd.  
 Building 7100, Cambridge Research Park, Beach Drive, Waterbeach, Cambridge, UK, CB25 9TL  
 +33 (0) 4 76 04 75 30

For further information, please contact

#### 1.4. Emergency telephone number

Emergency Telephone No information available

Emergency Telephone - §45 - (EC)1272/2008

Europe 112

### Section 2: HAZARDS IDENTIFICATION

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

Regulation (EC) No 1272/2008

|                          |                      |
|--------------------------|----------------------|
| Skin sensitization       | Category 1A - (H317) |
| Chronic aquatic toxicity | Category 3 - (H412)  |

#### 2.2. Label elements



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

## 300-0312 - ELISA Buffer (10X)



**Signal word**  
Warning

### Hazard statements

#### Hazard statements

H317 - May cause an allergic skin reaction

H412 - Harmful to aquatic life with long lasting effects

### Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

P321 - Specific treatment (see .? on this label)

### 2.3. Other hazards

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Synonym

Not applicable

### 3.2 Mixtures

| Chemical name                                                                                | EC No. | CAS No.    | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                                          | REACH Registration Number |
|----------------------------------------------------------------------------------------------|--------|------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Mixture of<br>5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1) | -      | 55965-84-9 | 0.0165   | Acute Tox. 3 (H301)<br>Acute Tox. 2 (H310)<br>Acute Tox. 2 (H330)<br>Skin Corr. 1C (H314)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1A (H317)<br>(EUH071)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) | No data available         |

Full text of H- and EUH-phrases: see section 16



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

**300-0312 - ELISA Buffer (10X)**

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

|                |                                                                                                                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------|
| General advice | Show this safety data sheet to the doctor in attendance.                                                                             |
| Inhalation     | Remove to fresh air.                                                                                                                 |
| Eye contact    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.                 |
| Skin contact   | Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion      | Clean mouth with water and drink afterwards plenty of water.                                                                         |

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

|          |                         |
|----------|-------------------------|
| Symptoms | Itching. Rashes. Hives. |
|----------|-------------------------|

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

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Note to physicians | May cause sensitization in susceptible persons. Treat symptomatically. |
|--------------------|------------------------------------------------------------------------|

### Section 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

|                              |                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|------------------------------|---------------------------------------------------------------------------------------------------------|

|                                |                           |
|--------------------------------|---------------------------|
| Unsuitable Extinguishing Media | No information available. |
|--------------------------------|---------------------------|

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

|                                            |                                                                               |
|--------------------------------------------|-------------------------------------------------------------------------------|
| Specific hazards arising from the chemical | Product is or contains a sensitizer. May cause sensitization by skin contact. |
|--------------------------------------------|-------------------------------------------------------------------------------|

#### 5.3. Advice for firefighters

|                                                |                                                                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

### Section 6: ACCIDENTAL RELEASE MEASURES



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

### 300-0312 - ELISA Buffer (10X)

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**For emergency responders** Use personal protection recommended in Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological 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** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Store locked up. Keep out of the reach of children. Store in accordance with information listed on the Product Information Sheet (PIS).

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

##### Identified Uses

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

300-0312 - ELISA Buffer (10X)

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits

| Chemical name                                                                                                    | Austria                     | Switzerland                                               | Poland | Norway | Ireland |
|------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------|--------|--------|---------|
| Mixture of<br>5-Chloro-2-methyl-4-isothiazolin-3-one and<br>2-Methyl-2H<br>-isothiazol-3-one (3:1)<br>55965-84-9 | TWA: 0.05 mg/m <sup>3</sup> | TWA: 0.2 mg/m <sup>3</sup><br>STEL: 0.4 mg/m <sup>3</sup> | -      | -      | -       |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

#### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical state** Liquid



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

## 300-0312 - ELISA Buffer (10X)

|                |                          |
|----------------|--------------------------|
| Appearance     | No information available |
| Color          | No information available |
| Odor           | No data available.       |
| Odor threshold | No data available        |

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH                             | No data available        | None known              |
| Melting point / freezing point | No data available        | None known              |
| Boiling point / boiling range  | No data available        | None known              |
| Flash point                    | No data available        | None known              |
| Evaporation rate               | No data available        | None known              |
| Flammability (solid, gas)      | No data available        | None known              |
| Flammability Limit in Air      |                          | None known              |
| Upper flammability limit:      | No data available        |                         |
| Lower flammability limit:      | No data available        |                         |
| Vapor pressure                 | No data available        | None known              |
| Vapor density                  | No data available        | None known              |
| Relative density               | No data available        | None known              |
| Water solubility               | No data available        | None known              |
| Solubility(ies)                | No data available        | None known              |
| Partition coefficient          | No data available        | None known              |
| Autoignition temperature       | No data available        | None known              |
| Decomposition temperature      | No data available        | None known              |
| Kinematic viscosity            | No data available        | None known              |
| Dynamic viscosity              | No data available        | None known              |
| Explosive properties           | No information available |                         |

|                      |                          |
|----------------------|--------------------------|
| Oxidizing properties | No information available |
|----------------------|--------------------------|

### 9.2. Other information

|                   |                          |
|-------------------|--------------------------|
| Softening point   | No information available |
| Molecular weight  | No information available |
| Molecular formula | No information available |
| VOC Content (%)   | No information available |
| Liquid Density    | No information available |
| Bulk density      | No information available |

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

|            |                           |
|------------|---------------------------|
| Reactivity | No information available. |
|------------|---------------------------|

### 10.2. Chemical stability

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Stability | Stable under recommended transport or storage conditions. |
|-----------|-----------------------------------------------------------|



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

### 300-0312 - ELISA Buffer (10X)

#### Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

#### 10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

#### 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

### Section 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Information on likely routes of exposure

##### Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

Ingestion Specific test data for the substance or mixture is not available.

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

Symptoms Itching. Rashes. Hives.

##### Numerical measures of toxicity

##### Acute toxicity



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

## 300-0312 - ELISA Buffer (10X)

**Unknown acute toxicity** 0.000245 % of the mixture consists of ingredient(s) of unknown toxicity.  
 0.000245 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.  
 100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).  
 0.000245 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

### Product Information

### Component Information

| Chemical name                                                                                       | Oral LD50          | Dermal LD50              | Inhalation LC50 |
|-----------------------------------------------------------------------------------------------------|--------------------|--------------------------|-----------------|
| Mixture of<br>5-Chloro-2-methyl-4-isothiazolin<br>-3-one and 2-Methyl-2H<br>-isothiazol-3-one (3:1) | = 53 mg/kg ( Rat ) | = 87.12 mg/kg ( Rabbit ) |                 |

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

**Skin corrosion/irritation** No information available.

### Product Information

**Serious eye damage/eye irritation** No information available.

### Product Information

**Respiratory or skin sensitization** May cause sensitization by skin contact.

### Product Information

**Germ cell mutagenicity** No information available.

### Product Information

**Carcinogenicity** No information available.

### Product Information

**Reproductive toxicity** No information available.

### Product Information

**STOT - single exposure** No information available.

### Product Information

**STOT - repeated exposure** No information available.

### Product Information

**Aspiration hazard** No information available.



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

300-0312 - ELISA Buffer (10X)

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

**Unknown aquatic toxicity** Contains 0.00024 % of components with unknown hazards to the aquatic environment.

### Product Information

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### Component Information

| Chemical name                                                                             | Partition coefficient     |
|-------------------------------------------------------------------------------------------|---------------------------|
| Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1) | $\geq -0.32$ - $\leq 0.7$ |

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

#### PBT and vPvB assessment

| Chemical name                                                                             | PBT and vPvB assessment         |
|-------------------------------------------------------------------------------------------|---------------------------------|
| Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1) | The substance is not PBT / vPvB |

### 12.6. Other adverse effects

**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. Dispose of waste in accordance with environmental legislation.



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

### 300-0312 - ELISA Buffer (10X)

Contaminated packaging

Do not reuse empty containers.

#### Section 14: TRANSPORT INFORMATION

##### IMDG

|                                                                          |                          |
|--------------------------------------------------------------------------|--------------------------|
| 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 Marine pollutant                                                    | Not applicable           |
| 14.6 Special Provisions                                                  | None                     |
| 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code | No information available |

##### 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 hazard       | Not applicable |
| 14.6 Special Provisions         | None           |

##### ADR

|                                 |                |
|---------------------------------|----------------|
| 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 hazard       | Not applicable |
| 14.6 Special Provisions         | None           |

##### IATA

|                                 |                      |
|---------------------------------|----------------------|
|                                 | <b>Not regulated</b> |
| 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 hazard       | Not applicable       |
| 14.6 Special Provisions         | None                 |

#### Section 15: REGULATORY INFORMATION

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



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

## 300-0312 - ELISA Buffer (10X)

### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name                                                                                          | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------|
| Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1) - 55965-84-9 | 75.                                       |                                                        |

### Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

### International Inventories

|               |                 |
|---------------|-----------------|
| TSCA          | Does not comply |
| DSL/NDSL      | Does not comply |
| EINECS/ELINCS | Does not comply |
| ENCS          | Does not comply |
| IECSC         | Does not comply |
| KECL          | Does not comply |
| PICCS         | Does not comply |
| AICS          | Does not comply |

### 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 Chemical Substances/European 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

Chemical Safety Report No information available

## Section 16: OTHER INFORMATION



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 28-Feb-2024

Revision Number 1.1

### 300-0312 - ELISA Buffer (10X)

#### Key or legend to abbreviations and acronyms used in the safety data sheet

##### Full text of H-Statements referred to under section 3

EUH071 - Corrosive to the respiratory tract

H301 - Toxic if swallowed

H310 - Fatal in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H330 - Fatal if inhaled

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

##### Legend

SVHC: Substances of Very High Concern for Authorization:

##### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

\*

Skin designation

Revision Date

28-Feb-2024

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

##### 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. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product.