



## 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 03-May-2023

Revision Number 1.1

### 100-0784. - ImmunoCult™ Human CD3/CD28 T Cell Activator

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

##### 1.1. Product identifier

**Document Number** 10000021478  
**Product Name** ImmunoCult™ Human CD3/CD28 T Cell Activator  
**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**

##### 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

|                                                  |
|--------------------------------------------------|
| <b>Emergency Telephone - §45 - (EC)1272/2008</b> |
|--------------------------------------------------|

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

#### Section 2: HAZARDS IDENTIFICATION

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

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

##### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]



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#### Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### 2.3. Other hazards

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Synonym

#### 3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

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

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

|              |                                                                                                                         |
|--------------|-------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Remove to fresh air.                                                                                                    |
| Eye contact  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.<br>Consult a physician. |
| Skin contact | Wash skin with soap and water. 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

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

Note to physicians Treat symptomatically.



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### 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**

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

**Specific hazards arising from the chemical**

#### 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

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

**Personal precautions** Ensure adequate ventilation.

**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



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### 7.1. Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation.

**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 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.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)**

**Predicted No Effect Concentration (PNEC)**

### 8.2. Exposure controls

**Personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**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.



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

**Environmental exposure controls**

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                |                    |
|----------------|--------------------|
| Physical state | Liquid             |
| Appearance     | Clear              |
| Color          |                    |
| Odor           | No data available. |
| Odor threshold | No data available  |

| Property                       | Values            | Remarks • Method |
|--------------------------------|-------------------|------------------|
| 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           |                   |                  |

**Oxidizing properties**

#### 9.2. Other information

VOC Content (%)

### Section 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

**Reactivity**



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#### 10.2. Chemical stability

**Stability** Stable under recommended transport or storage conditions.

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

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

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

#### **Symptoms**



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#### Numerical measures of toxicity

##### Acute toxicity

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

0 % 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 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Product Information

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

##### Skin corrosion/irritation

Product Information

##### Serious eye damage/eye irritation

Product Information

##### Respiratory or skin sensitization

Product Information

##### Germ cell mutagenicity

Product Information

##### Carcinogenicity

Product Information

##### Reproductive toxicity

Product Information

##### STOT - single exposure

Product Information

##### STOT - repeated exposure

Product Information

##### Aspiration hazard

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity



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#### Ecotoxicity

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

#### Product Information

##### 12.2. Persistence and degradability

Persistence and degradability

##### 12.3. Bioaccumulative potential

Bioaccumulation

##### 12.4. Mobility in soil

Mobility in soil

##### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

##### 12.6. Other adverse effects

Other adverse effects

### 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.

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



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14.4 Packing Group Not regulated

14.5 Marine pollutant

14.6 Special Provisions None

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

#### 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

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

14.6 Special Provisions None

#### IATA

**Not regulated**

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

14.6 Special Provisions None

## Section 15: REGULATORY INFORMATION

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

#### 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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)



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#### Persistent Organic Pollutants

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

##### International Inventories

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

##### 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

### Section 16: OTHER INFORMATION

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

##### 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                 |

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



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### Disclaimer

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