



## 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 11-Jan-2023

Revision Number 1

### 100-1064 - Anti-Human Cytokeratin 20 Antibody, Polyclonal

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

##### 1.1. Product identifier

**Document Number** 10000019752  
**Product Name** Anti-Human Cytokeratin 20 Antibody, Polyclonal  
**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*

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]  
EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Synonyms

Not applicable

#### 3.2 Mixtures

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

| Chemical name | EC No.    | CAS No. | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|---------------|-----------|---------|----------|-----------------------------------------------------------------|---------------------------|
| Glycerol      | 200-289-5 | 56-81-5 | 50       | No data available                                               | No data available         |

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. 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 No information available.

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



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#### Note to physicians

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

No information available.

#### 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.



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### Section 7: HANDLING AND STORAGE

#### 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

| Chemical name       | European Union | United Kingdom                                           | France                    | Spain                     | Germany                                                 |
|---------------------|----------------|----------------------------------------------------------|---------------------------|---------------------------|---------------------------------------------------------|
| Glycerol<br>56-81-5 | -              | TWA: 10 mg/m <sup>3</sup><br>STEL: 30 mg/m <sup>3</sup>  | TWA: 10 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup> | TWA: 200 mg/m <sup>3</sup>                              |
| Chemical name       | Italy          | Portugal                                                 | Netherlands               | Finland                   | Denmark                                                 |
| Glycerol<br>56-81-5 | -              | TWA: 10 mg/m <sup>3</sup>                                | -                         | TWA: 20 mg/m <sup>3</sup> | -                                                       |
| Chemical name       | Austria        | Switzerland                                              | Poland                    | Norway                    | Ireland                                                 |
| Glycerol<br>56-81-5 | -              | TWA: 50 mg/m <sup>3</sup><br>STEL: 100 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup> | -                         | TWA: 10 mg/m <sup>3</sup><br>STEL: 30 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



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|                                 |                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| 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                   |
| Appearance     | No information available |
| Color          | No information available |
| 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           | No information available |                  |



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**Oxidizing properties** No information available

#### 9.2. Other information

|                          |                          |
|--------------------------|--------------------------|
| <b>Softening point</b>   | No information available |
| <b>Molecular weight</b>  | No information available |
| <b>Molecular formula</b> | No information available |
| <b>VOC Content (%)</b>   | No information available |
| <b>Liquid Density</b>    | No information available |
| <b>Bulk density</b>      | 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.

#### **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



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Revision Date 11-Jan-2023

Revision Number 1

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### 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 | No information available. |
|----------|---------------------------|

### Numerical measures of toxicity

#### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

|                 |                 |
|-----------------|-----------------|
| ATEmix (oral)   | 25,200.00 mg/kg |
| ATEmix (dermal) | 20,020.00 mg/kg |

|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| Unknown acute toxicity | 50 % of the mixture consists of ingredient(s) of unknown toxicity.                             |
|                        | 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.                   |
|                        | 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.                 |
|                        | 50 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).      |
|                        | 50 % 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

#### Component Information

| Chemical name | Oral LD50             | Dermal LD50          | Inhalation LC50                     |
|---------------|-----------------------|----------------------|-------------------------------------|
| Glycerol      | = 12600 mg/kg ( Rat ) | > 10 g/kg ( Rabbit ) | > 570 mg/m <sup>3</sup> ( Rat ) 1 h |

### 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



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**Respiratory or skin sensitization** No information available.

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.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

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

#### Product Information

| Chemical name | Algae/aquatic plants                                       | Fish                                                           | Toxicity to microorganisms                                    | Crustacea                           |
|---------------|------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|
| Glycerol      | EC0 (Scenedesmus quadricauda (Green algae)): > 10,000 mg/L | LC50: >100 mg/L (Exposure time: 96h) Chronic toxicity: >1 mg/L | EC0 (Pseudomonas putida): > 10,000 mg/L (Exposure time: 16 h) | EC50: >500mg/L (24h, Daphnia magna) |

### 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 |
|---------------|-----------------------|
|---------------|-----------------------|





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|          |                |
|----------|----------------|
| Glycerol | log Pow: -2.66 |
|----------|----------------|

### 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         |
|---------------|---------------------------------|
| Glycerol      | 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.

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



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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

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

#### 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)

#### Persistent Organic Pollutants

Not applicable

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

#### International Inventories

TSCA Complies  
DSL/NDL Complies  
EINECS/ELINCS Complies  
ENCS Does not comply



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Revision Date 11-Jan-2023

Revision Number 1

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|       |          |
|-------|----------|
| 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 No information available

### 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                 |

Revision Date 11-Jan-2023

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

#### Disclaimer

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