

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

**Issuing Date:** 2017-07-10

**Revision Date:** 2023-09-27

**Version:** 2

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

### 1.1. Product identifier

**Product No** 13557  
**Product name** Mios (D12C6) Rabbit mAb

### Contains

| <b>Chemical name</b>  | <b>Index No.</b> | <b>CAS No</b> |
|-----------------------|------------------|---------------|
| glycerol (30-60)      | Not Listed       | 56-81-5       |
| sodium azide ( <0.02) | 011-004-00-7     | 26628-22-8    |

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

**Identified uses** For Research Use Only. Not for Use in Diagnostic Procedures.

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

| <b>Importer</b>  | <b>Manufacturer</b>   |
|--|---|
| Cell Signaling Technology Europe B.V.<br>Dellaertweg 9b<br>2316 WZ Leiden<br>The Netherlands<br>TEL: +31 (0)71 7200 200<br>FAX: +31 (0)71 891 0019 | Cell Signaling Technology, Inc.<br>3 Trask Lane<br>Danvers, MA 01923<br>United States<br>TEL: +1 978 867 2300<br>FAX: +1 978 867 2400 |

**Website** [www.cellsignal.com](http://www.cellsignal.com)  
**E-mail Address** [info@cellsignal.eu](mailto: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 is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

**Signal word**

None.

**Hazard statement(s)**

None.

**Precautionary statement(s)**

None.

**2.3. Other hazards**

May produce an allergic reaction.

*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** Mixture

| Chemical name | CAS No     | Weight-% | EC No     | Classification (1272/2008)  | REACH Registration Number |
|---------------|------------|----------|-----------|---|---------------------------|
| glycerol      | 56-81-5    | 30-60    | 200-289-5 | -   | no data available         |
| sodium azide  | 26628-22-8 | <0.02    | 247-852-1 | Acute Tox. 2 (H300)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)<br>(EUH032) | no data available         |

*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****General advice**

Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation**

Move to fresh air.

**Skin contact**

Wash skin with soap and water.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids.

**Ingestion**

Clean mouth with water and afterwards drink plenty of water.

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

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

**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** No information available.

**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** Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal protection see section 8.

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

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined 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. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

**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   |
|---------------|---------------------------|---|---------------------------|---------------------------|---|
| glycerol      |                           | STEL 30 mg/m <sup>3</sup><br>TWA 10 mg/m <sup>3</sup> | TWA 10 mg/m <sup>3</sup>  | TWA 10 mg/m <sup>3</sup>  | Ceiling / Peak: 400 mg/m <sup>3</sup><br>TWA: 200 mg/m <sup>3</sup> |
| sodium azide  | TWA 0.1 mg/m <sup>3</sup> | STEL 0.3 mg/m <sup>3</sup>                            | TWA 0.1 mg/m <sup>3</sup> | TWA 0.1 mg/m <sup>3</sup> | TWA: 0.2 mg/m <sup>3</sup>  |

|                      |   |  |  |   |   |
|----------------------|---|--|--|---|---|
|                      | STEL 0.3 mg/m <sup>3</sup><br>S*                                  | TWA 0.1 mg/m <sup>3</sup><br>Skin  | STEL 0.3 mg/m <sup>3</sup><br>P*                                 | STEL 0.3 mg/m <sup>3</sup><br>S*                                | Ceiling / Peak: 0.4<br>mg/m <sup>3</sup>                        |
| <b>Chemical name</b> | <b>Italy</b>  | <b>Portugal</b>  | <b>Netherlands</b>   | <b>Finland</b>  | <b>Denmark</b>  |
| glycerol             |   | TWA 10 mg/m <sup>3</sup>   |  | TWA 20 mg/m <sup>3</sup>  |   |
| sodium azide         | TWA 0.1 mg/m <sup>3</sup><br>STEL 0.3 mg/m <sup>3</sup><br>Pelle* | TWA 0.1 mg/m <sup>3</sup><br>STEL 0.3 mg/m <sup>3</sup><br>Ceiling 0.29 mg/m <sup>3</sup><br>Ceiling 0.11 ppm<br>C(A4)<br>P* | Huid*<br>STEL 0.3 mg/m <sup>3</sup><br>TWA 0.1 mg/m <sup>3</sup> | TWA 0.1 mg/m <sup>3</sup><br>STEL 0.3 mg/m <sup>3</sup><br>iho* | TWA 0.1 mg/m <sup>3</sup><br>H*                                 |
| <b>Chemical name</b> | <b>Austria</b>  | <b>Switzerland</b>   | <b>Poland</b>  | <b>Norway</b>   | <b>Ireland</b>  |
| glycerol             |   | SS-C**<br>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>           |
| sodium azide         | H*<br>STEL 0.3 mg/m <sup>3</sup><br>TWA 0.1 mg/m <sup>3</sup>     | TWA 0.2 mg/m <sup>3</sup><br>STEL 0.4 mg/m <sup>3</sup>  | TWA 0.1 mg/m <sup>3</sup><br>STEL 0.3 mg/m <sup>3</sup>          | TWA 0.1 mg/m <sup>3</sup><br>STEL 0.1 mg/m <sup>3</sup>         | TWA 0.1 mg/m <sup>3</sup><br>STEL 0.3 mg/m <sup>3</sup><br>Skin |

## 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

Wear protective gloves and protective clothing

#### Hand protection

Impervious gloves.

#### Other

Wear suitable protective clothing.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

### Environmental Exposure Controls

No information available.

## SECTION 9: Physical and chemical properties

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

|                |                          |
|----------------|--------------------------|
| Physical state | Liquid - Clear           |
| Color          | Colorless                |
| Odor           | No information available |

| <u>Property</u>  | <u>Values</u>             | <u>Remarks • Method</u>   |
|--|---------------------------|---------------------------|
| pH   | 7.5                       | @ 20 °C                   |
| Melting point/freezing point                             | No information available  | No information available  |
| Boiling point or initial boiling point and boiling range | No information available  | No information available  |
| Flash point  | No information available  | No information available. |
| Evaporation rate   | No information available  | No information available  |
| Flammability   | No information available  | No information available  |
| Upper/lower flammability or explosive limits             | No information available  | No information available  |
| Vapor pressure   | No information available  | No information available  |
| Relative vapor density                                   | No information available  | No information available  |
| Density and/or relative density                          | No information available  | No information available  |
| Solubility   | No information available. | No information available  |
| Partition coefficient: n-octanol/water                   | No information available  | No information available  |

|                                  |                          |                           |
|----------------------------------|--------------------------|---------------------------|
| <b>Autoignition temperature</b>  | No information available | No information available  |
| <b>Decomposition temperature</b> | No information available | No information available. |
| <b>Viscosity</b>                 | No information available | No information available  |
| <b>Explosive properties</b>      | No information available | No information available  |
| <b>Oxidizing properties</b>      | No information available | No information available  |

**9.2. Other information**

|                                     |                          |
|-------------------------------------|--------------------------|
| <b>Softening point</b>              | No information available |
| <b>Molecular Weight</b>             | No information available |
| <b>Solubility in other solvents</b> | No information available |
| <b>VOC content</b>                  | No information available |
| <b>Liquid Density</b>               | 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**

Extremes of temperature and direct sunlight. Over a period of time, sodium azide may react with copper, lead, brass, or solder in plumbing systems to form an accumulation of the HIGHLY EXPLOSIVE compounds of lead azide & copper azide.

**10.5. Incompatible materials**

Strong oxidizing agents, Strong acids.

**10.6. Hazardous decomposition products**

Nitrogen oxides (NOx).

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

This product is for experimental uses only. The product has not been completely analyzed and all of the hazards may not be known. Please use caution while handling this product.

| Chemical name | LD50 Oral           | LD50 Dermal                          | LC50 Inhalation                   |
|---------------|---------------------|--------------------------------------|-----------------------------------|
| glycerol      | = 12600 mg/kg (Rat) | > 10 g/kg (Rabbit)                   | > 570 mg/m <sup>3</sup> (Rat) 1 h |
| sodium azide  | = 27 mg/kg (Rat)    | = 20 mg/kg (Rabbit) = 50 mg/kg (Rat) | -                                 |

**Information on likely routes of exposure**

|                   |                                  |
|-------------------|----------------------------------|
| <b>Inhalation</b> | Avoid breathing vapors or mists. |
|-------------------|----------------------------------|

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Avoid contact with eyes.  |
| <b>Skin contact</b> | Avoid contact with skin.  |
| <b>Ingestion</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

**Symptoms** Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

|  |                           |
|--|---------------------------|
| <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>Carcinogenicity</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. |

### 11.2. Information on other hazards

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 |
|---------------|---|---|---|
| glycerol      | -   | LC50 51 - 57 mL/L (Oncorhynchus mykiss) 96 h  | EC50 500 mg/L (Daphnia magna) 24 h                  |
| sodium azide  | EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h | LC50 0.8 mg/L (Oncorhynchus mykiss) 96 h LC50 5.46 mg/L (Pimephales promelas) 96 h LC50 0.7 mg/L (Lepomis macrochirus) 96 h | LC100 1 mg/L (Orconectes rusticus) 96 h             |

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

#### Bioaccumulation

| Chemical name | Octanol-Water Partition Coefficient |
|---------------|-------------------------------------|
| glycerol      | -1.76                               |

**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. Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

**12.7. 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**

|   |               |
|---|---------------|
| <b>14.1 UN number</b>   | Not regulated |
| <b>14.2 UN proper shipping name</b>                                 | Not regulated |
| <b>14.3 Transport hazard class(es)</b>                              | Not regulated |
| <b>14.4 Packing group</b>   | Not regulated |
| <b>14.5 Environmental hazards</b>                                   | None          |
| <b>14.6 Special precautions for user</b>                            | None          |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not regulated |

**ADR/RID**

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

**IATA**

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

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

**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**

H300 - Fatal if swallowed  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
EUH032 - Contact with acids liberates very toxic gas

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

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**Disclaimer**

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