

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

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

**Revision Date:** 2023-11-13

**Version:** 2

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

### **1.1. Product identifier**

**Product No** 3752  
**Product name** SHP-2 Antibody

### **Contains**

| <b>Chemical name</b> | <b>Index No.</b> | <b>CAS No</b> |
|----------------------|------------------|---------------|
| glycerol (30-60)     | Not Listed       | 56-81-5       |

### **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         |

*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**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice. |
| <b>Inhalation</b>     | Move to fresh air.   |
| <b>Skin contact</b>   | Wash skin with soap and water.   |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water, also under the eyelids.   |
| <b>Ingestion</b>      | 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**

|                                       |   |
|---------------------------------------|---|
| <b>Suitable Extinguishing Media</b>   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Unsuitable Extinguishing Media</b> | No information available.   |

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

Thermal decomposition can lead to release of irritating gases and vapors.

**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> |
| Chemical name | Italy          | Portugal   | Netherlands              | Finland                  | Denmark   |
| glycerol      |                | TWA 10 mg/m <sup>3</sup>   |                          | TWA 20 mg/m <sup>3</sup> |   |
| Chemical name | Austria        | Switzerland  | Poland                   | Norway                   | Ireland   |
| 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>               |

**8.2. Exposure controls****Appropriate engineering controls**

Showers, eyewash stations, and ventilation systems.

**Individual protection measures, such as personal protective equipment**

|                               |  |
|-------------------------------|--|
| <b>Eye/face protection</b>    | Safety glasses with side-shields   |
| <b>Skin protection</b>        | Wear protective gloves and protective clothing   |
| <b>Hand protection</b>        | Impervious gloves.   |
| <b>Other</b>                  | Wear suitable protective clothing.   |
| <b>Respiratory protection</b> | 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**

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid - Clear           |
| <b>Color</b>          | Colorless                |
| <b>Odor</b>           | No information available |

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

**Hazardous polymerization** Hazardous polymerization does not occur.  
**Hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

Extremes of temperature and direct sunlight.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

None under normal use conditions.

## 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 |

**Information on likely routes of exposure**

**Inhalation** Avoid breathing vapors or mists.  
**Eye contact** Avoid contact with eyes.  
**Skin contact** Avoid contact with skin.  
**Ingestion** 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.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

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

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

**Aspiration Hazard** 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                  |

### 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

|  |               |
|--|---------------|
| 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 Maritime transport in bulk according to IMO instruments | 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.

**International inventories**

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

**International inventories legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - 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:** 2017-07-10

**Revision Date:** 2023-11-13

#### Disclaimer

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