



**Safety Data Sheet (SDS)** According to the OSHA Hazard Communication Standard 29 CFR 1910.1200

**Issuing Date:** 2018-09-18

**Version:** 1

## SECTION 1. Identification

### Product identifier

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| <b>Product No</b>    | 5566                                                                                                    |
| <b>Product name</b>  | PTMScan® Phospho-ST*P Motif (ST*P) XP® Rabbit mAb Kit                                                   |
| <b>Kit Component</b> | 9993: PTMScan® IAP Buffer (10X)<br>5756: PTMScan® Phospho-PLK Binding Motif (ST*P) Immunoaffinity Beads |

### Recommended use of the chemical and restrictions on use

|                                                                   |                                                      |
|-------------------------------------------------------------------|------------------------------------------------------|
| <b>Identified uses</b><br><b>Manufacturer, importer, supplier</b> | This product is intended for research purposes only. |
|-------------------------------------------------------------------|------------------------------------------------------|

|                                                                                                                |                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer address</b><br><br><b>Website</b><br><b>Email address</b><br><b>Emergency telephone number</b> | 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<br>www.cellsignal.com<br>support@cellsignal.com<br>In case of emergency call CHEMTREC 1-800-424-9300 |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 2. Hazard(s) identification

### Classification

This substance/mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### GHS Label elements, including precautionary statements

**Signal Word**  
None.

**Hazard statement(s)**  
None.

**Precautionary Statement(s)**  
None.

### Supplementary Hazard Information

No information available.

**Hazards not otherwise classified (HNOC)**

Not applicable.

### SECTION 3. Composition/information on ingredients

**Kit Component** 9993: PTMSan® IAP Buffer (10X)

| Chemical Name                     | CAS No    | Weight % |
|-----------------------------------|-----------|----------|
| 4-morpholinopropanesulphonic acid | 1132-61-2 | <10      |

**Kit Component** 5756: PTMSan® Phospho-PLK Binding Motif (ST\*P) Immunoaffinity Beads

| Chemical Name                     | CAS No    | Weight % |
|-----------------------------------|-----------|----------|
| glycerol                          | 56-81-5   | 25-50    |
| 4-morpholinopropanesulphonic acid | 1132-61-2 | 1-5      |

### SECTION 4. First-aid measures

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention immediately if symptoms occur. |
| <b>Skin contact</b> | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                |
| <b>Inhalation</b>   | Move to fresh air.                                                                                                  |
| <b>Ingestion</b>    | Clean mouth with water and afterwards drink plenty of water.                                                        |

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

None.

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

Treat symptomatically.

#### Advice for emergency responders

|                                   |                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>             | For further assistance, contact your local Poison Control Center.                                                |
| <b>Protection of first-aiders</b> | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

### SECTION 5. Fire-fighting measures

#### 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> | None.                                                                                                   |

#### Specific hazards arising from the chemical

None in particular.

#### Explosion Data

|                                         |       |
|-----------------------------------------|-------|
| <b>Sensitivity to Mechanical Impact</b> | None. |
| <b>Sensitivity to Static Discharge</b>  | None. |

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Ensure adequate ventilation.  
**Other information** No information available.

### Environmental precautions

See Section 12 for additional information.

### 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.

## SECTION 7. Handling and storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place.  
**Packaging material** No information available.  
**Incompatible products** None known based on information supplied.

## SECTION 8. Exposure controls/personal protection

### Control parameters

| Chemical Name | ACGIH TLV | OSHA PEL                                                                                                | NIOSH REL |
|---------------|-----------|---------------------------------------------------------------------------------------------------------|-----------|
| glycerol      | -         | TWA mist, total particulate: 15 mg/m <sup>3</sup><br>TWA mist, respirable fraction: 5 mg/m <sup>3</sup> | -         |

### Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

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

Personal protective equipment (PPE) needs to be selected depending on the implemented engineering controls, frequency/duration of work activities and the concentrations of the hazardous substance.

**Eye/face protection** If splashes are likely to occur, wear. Goggles.  
**Skin and body protection** Wear protective gloves/clothing.  
**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.  
**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. Physical and chemical properties

Information on the known physical chemical properties of each component within Kit are given below. If not included, information is either not available or not applicable. Refer to individual kit component SDS for further information.

### Information on basic physical and chemical properties

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| <b>Kit Component</b> | <b>9993: PTMScan® IAP Buffer (10X)</b>                                      |
| Physical state       | Liquid                                                                      |
| Appearance           | Clear                                                                       |
| Color                | Colorless                                                                   |
| pH VALUE             | 7.25                                                                        |
| Remarks              | @ 20 °C                                                                     |
| <b>Kit Component</b> | <b>5756: PTMScan® Phospho-PLK Binding Motif (ST*P) Immunoaffinity Beads</b> |
| Physical state       | Liquid                                                                      |
| Appearance           | Thick Slurry                                                                |
| Color                | Clear                                                                       |

## SECTION 10. Stability and reactivity

### Reactivity

No information available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>Hazardous reactions</b>      | None under normal processing. |
| <b>Hazardous polymerization</b> | None under normal processing. |

### Conditions to Avoid

No information available.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## SECTION 11. Toxicological information

### Information on likely routes of exposure

#### **Product Information**

This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

**Inhalation** There is no data available for this product

**Eye contact**

**Kit Component**

Eye contact

**9993: PTMScan® IAP Buffer (10X)**

Contact with eyes may cause irritation

**Skin contact****Kit Component**

Skin contact

**9993: PTMScan® IAP Buffer (10X)**

May cause irritation Contact with skin may cause mild irritation.

**Ingestion**

There is no data available for this product

**Information on toxicological effects****Component Information**

| 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 |

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

None.

**Skin and Eye Corrosion/Irritation**

No information available

**Sensitization**

No information available

**Mutagenic effects**

No information available

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity**

No information available.

**Systemic Target Organ Toxicity (STOT)****Aspiration Hazard**

No information available.

**SECTION 12. Ecological information****Ecotoxicity****Product Information**

No information available

**Component Information**

| 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                  |

**Persistence and degradability**

No information available

**Bioaccumulation**

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

**Mobility** No information available

#### Other adverse effects

No information available.

### SECTION 13. Disposal considerations

#### Waste Disposal Methods

Dispose of in accordance with all applicable national environmental laws and regulations.

#### Disposal considerations

Do not empty into drains; dispose of this material and its container in a safe way.

### SECTION 14. Transport information

This material is not subject to regulation as a hazardous material for shipping.

**DOT** Not regulated

**IATA** Not regulated

### SECTION 15. Regulatory information

#### North American Inventory Listing

| Chemical Name                     | TSCA 8(b) | TSCA 12(b) | DSL    | NDSL       |
|-----------------------------------|-----------|------------|--------|------------|
| glycerol                          | Listed    | Not Listed | Listed | Not Listed |
| 4-morpholinopropanesulphonic acid | Listed    | Not Listed | Listed | Not Listed |

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard                   | No |

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Refer to kit component SDS for applicable State Right-To-Know (RTK) information.

| Chemical Name                      | New Jersey | Massachusetts | Pennsylvania |
|------------------------------------|------------|---------------|--------------|
| glycerol                           | Listed     | Listed        | Listed       |
| disodium<br>hydrogenorthophosphate | Listed     | Listed        | Listed       |
| sodium hydroxide                   | Listed     | Listed        | Listed       |
| disodium<br>hydrogenorthophosphate | Listed     | Listed        | Listed       |
| sodium hydroxide                   | Listed     | Listed        | Listed       |

**SECTION 16. Other information**

**Issuing Date:** 2018-09-18

**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.

End of Safety Data Sheet