

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

**Issuing Date:** 2015-12-15

**Revision Date:** 2023-06-23

**Version:** 3

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

### 1.1. Product identifier

**Product No** 59803  
**Product name** Ponceau S Staining Solution

### Contains

Chemical name	Index No.	CAS No
acetic acid (5-<10)	607-002-00-6	64-19-7

### 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

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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)

### 2.2. Label elements

**Signal word**

Warning.

**Hazard statement(s)**

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

**Precautionary statement(s)**

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves and eye/face protection.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

**2.3. Other hazards**

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

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16*

<b>SECTION 3: Composition/information on ingredients</b>
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**3.2 Mixtures**

Chemical name	CAS No	Weight-%	EC No	Classification (1272/2008)	REACH Registration Number
acetic acid	64-19-7	5-<10	200-580-7	Skin Corr. 1A (H314) Flam. Liq. 3 (H226)	no data available

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16*

<b>SECTION 4: First aid measures</b>
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**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**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration.

**Skin contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation occurs, get medical advice/attention.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Consult a physician.

**Ingestion**

Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth

to an unconscious person.

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

May cause skin and eye irritation.

**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**

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** Ensure adequate ventilation. 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 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. See section 8.

**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
acetic acid	TWA 10 ppm TWA 25 mg/m <sup>3</sup>		STEL 10 ppm STEL 25 mg/m <sup>3</sup>	TWA 10 ppm TWA 25 mg/m <sup>3</sup> STEL 15 ppm STEL 37 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 50 mg/m <sup>3</sup>
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
acetic acid		TWA 10 ppm TWA 25 mg/m <sup>3</sup> STEL 15 ppm	TWA 25 mg/m <sup>3</sup>	TWA 5 ppm TWA 13 mg/m <sup>3</sup> STEL 10 ppm STEL 25 mg/m <sup>3</sup>	TWA 10 ppm TWA 25 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
acetic acid	STEL 20 ppm STEL 50 mg/m <sup>3</sup> TWA 10 ppm TWA 25 mg/m <sup>3</sup>	SS-C** TWA 10 ppm TWA 25 mg/m <sup>3</sup> STEL 20 ppm STEL 50 mg/m <sup>3</sup>	TWA 25 mg/m <sup>3</sup> STEL 50 mg/m <sup>3</sup>	TWA 10 ppm TWA 25 mg/m <sup>3</sup> STEL 10 ppm STEL 25 mg/m <sup>3</sup>	TWA 10 ppm TWA 25 mg/m <sup>3</sup> STEL 15 ppm STEL 37 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

##### Eye/face protection

If splashes are likely to occur, wear: Safety glasses with side-shields

##### Skin protection

Wear protective gloves and protective clothing

##### Hand protection

Impervious gloves.

##### Other

Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental Exposure Controls

No information available.

## SECTION 9: Physical and chemical properties

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

Physical state	Liquid
Color	red
Odor	No information available

Property	Values	Remarks • Method
pH	2.32	@ 25 °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**

<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous reactions</b>	None under normal processing.

**10.4. Conditions to avoid**

None known based on information supplied.

**10.5. Incompatible materials**

Strong oxidizing agents, Strong bases.

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

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

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## 59803 Ponceau S Staining Solution

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.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
acetic acid	3310 mg/kg ( Rat )	1060 mg/kg ( Rabbit )	11.4 mg/L ( Rat ) 4 h

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

<b>ATEmix (oral)</b>	33,100.00 mg/kg
<b>ATEmix (dermal)</b>	10,600.00 mg/kg
<b>ATEmix (inhalation-vapor)</b>	114.00 mg/l

### Information on likely routes of exposure

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin contact</b>	May cause burns.
<b>Ingestion</b>	There is no data available for this product.

**Symptoms** May cause skin and eye irritation.

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Sensitization</b>	None known.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenic effects</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

Product does not present an aquatic toxicity hazard based on known or supplied information.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
acetic acid	-	LC50 75 mg/L (Lepomis macrochirus) 96 h LC50 79 mg/L (Pimephales promelas) 96 h	EC50 47 mg/L (Daphnia magna) 24 h EC50 65 mg/L (Daphnia magna) 48 h

**Unknown Aquatic Toxicity** 0% of the mixture consists of components of unknown hazards to the aquatic environment.

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

<b>Bioaccumulation</b>	Not likely to bioaccumulate.
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## 59803 Ponceau S Staining Solution

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Chemical name	Octanol-Water Partition Coefficient
acetic acid	-0.31

**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

### 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

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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/NDSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-

#### 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

H315 - Causes skin irritation  
H319 - Causes serious eye irritation

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

**Issuing Date:** 2015-12-15

**Revision Date:** 2023-06-23

#### 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.