

## 10X Concentrate Ponceau S Protein Staining Solution

### Identification of the product/ Substance and of the company

Product Name: 10X Concentrate Ponceau S Protein Staining Solution

Catalog Number: PS003-L10X

Use of the product: For laboratory use.

Suitable for use as protein staining for protein bands on nitrocellulose or PVDF membranes (Western blots).

Company identification: BIO-HELIX Co., LTD.

Site: <http://www.bio-helix.com>

E-mail: [info@bio-helix.com](mailto:info@bio-helix.com)

### Composition / Information on ingredients

Ingredients :

Water	≤50% (v/v)	CAS# 7732-18-5
Ponceau S	1-5% (v/v)	CAS# 6226-79-5
Acetic acid	≥45% (v/v)	CAS# 64-19-7

Other components :

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

### Hazards identification

Not a hazardous substance or mixture.

Other hazards: None.

### First Aid Measures

Ponceau S:

In case of eye contact:

Immediately rinse out with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

In case of skin contact:

Remove contaminated clothing and shoes. Immediately flush skin with plenty of water for at least 15 minutes. Get medical aid.

If inhaled:

Remove from exposure and move to fresh air immediately.

If swallowed:

Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Acetic Acid:

In case of eye contact:

Immediately rinse out with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

In case of skin contact:

Remove contaminated clothing and shoes. Immediately flush skin with plenty of water for at least 15 minutes. Get medical aid.

If inhaled:

Remove from exposure and move to fresh air immediately.

If swallowed:

Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

## Fire-fighting measures

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Decomposition: Dangerous decomposition is not anticipated.

## Accidental release measures

Actions to be taken on spillage: Dilute spilled liquids with plenty of water and adsorb.

Absorbent material: No restriction.

Actions to be taken to limit Damage: Special measures to limit damage are not necessary.

## Handling and storage

Advice on safe handling: Open and handle vessels carefully. Avoid contact with skin and eyes.

Storage condition: Keep container tightly closed. Store at room temperature.

Storage procedures: Do not store together with acids.

Respiratory protection: No personal respiratory protective equipment is normally required.

## Exposure controls / personal protection

Eye protection: Safety glasses

Hand protection: One-way gloves

Hygiene measures: Wash hands before and after use.

## Physical and chemical properties

Appearance: Liquid.

Color: Red.

Odor: No data available.

pH-value at 25°C: No data available.

Boiling point: No data available.

Flash Point: No data available.

Flammability/auto-flammability :	The product is not flammable/self-igniting.
Explosive properties:	The product does not possess explosive properties.
Oxidizing properties:	No data available.
Vapor pressure:	No data available.
Solubility in/miscibility with water:	Fully miscible.
Fat solubility:	No data available.
Vapor density:	No data available.
Evaporation rate:	No data available.
Conductivity:	No data available.
Viscosity:	No data available.

## Stability and reactivity

Stability:	Stable under normal conditions.
Reactivity:	Stable under normal conditions.
Conditions to avoid:	Reacts with alkalis and oxidizing agents.
Hazardous decomposition products:	Danger of toxic pyrolysis products.

## Toxicological information

### Ponceau S

Acute oral toxicity: 5,000 mg/kg  
Skin corrosion/irritation: No data available.  
Eye damage: No data available.

### Acetic Acid:

Acute oral toxicity: 3,310 mg/kg  
Skin corrosion/irritation: Rabbit – Cause burns – 4 hrs.  
Eye damage: Rabbit – Cause burns – 4 hrs.

## Ecological information

### Ecotoxicity :

The product is considered not dangerous to the environment with respect to mobility, persistence and degradability, bioaccumulation, aquatic toxicity, and other data relating to ecotoxicity.

Persistence and degradability: The product is readily biodegradable.

### Bioaccumulative potential :

It is considered that the product does not accumulate in biota, and does not pass through the food chain.

Other adverse effects: Not applicable.

## Disposal considerations

The disposal of the product does not present a danger.

No special disposal methods are required, except to be in accordance with current local environmental regulations.

## Transport information

Special precautions: None knew.

Proper shipping name: Not dangerous goods according to transport regulations.

National transport regulations :

No additional national transport regulations are known to the supplier.

IMDG: Non-hazardous for sea freight.

ADR: Non-hazardous for road transport.

RID: Non-hazardous for rail transport.

ICAO/IATA: Non-hazardous for air transport.

Other information: The product may be stored in ice during transportation.

## Regulatory information

SARA (Superfund and Reauthorization Act)

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity: None of the ingredients are listed.

## Other information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Bio-Helix shall not be held liable for any damage resulting from handling or from contact with the above product.