Safety data sheet

ClearBand Ponceau S Staining Solution

Product name ClearBand Ponceau S Staining Solution	Catalog no. PS05, PS052
Synonyms Ponceau S protein membrane staining solution	Original SDS revision 28 January 2025
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand Ponceau S Staining Solution
Product code	PS05, PS052
CAS number	-
EC number	-
Recommended use	Research-use, reversible protein staining on nitrocellulose, PVDF and related membranes.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

GHS/CLP classification	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) in the supplied mixture SDS.
GHS H-statements	None
GHS pictograms	None
Signal word	None
Precautionary statements - prevention	Use good laboratory hygiene. Wear suitable protective gloves and eye protection.
Precautionary statements - response	If exposed or if irritation develops, rinse affected area and obtain medical advice as needed.
Other hazards	Contains acetic acid at 5% to less than 10%; mixture classification requires confirmation against the approved final formulation.

Composition & response

ClearBand Ponceau S Staining Solution | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand Ponceau S Staining Solution
Synonyms	Ponceau S protein membrane staining solution
Concentration	Ready-to-use aqueous staining solution
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition / ingredient information	Acetic acid (CAS 64-19-7): >=5% to <10% in the mixture. Ingredient classification listed: Flam. Liq. 3 (H226), Skin Corr. 1A (H314), Eye Dam. 1 (H318); these are ingredient properties, not necessarily classification of the dilute mixture.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse thoroughly with water and remove contact lenses if possible.
Skin contact	Remove contaminated clothing. Rinse skin thoroughly with water.
Inhalation	Move to fresh air.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. Never give anything to an unconscious person. Obtain medical advice.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	Irritation may occur following exposure; mixture-specific symptoms are not characterized.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing methods suitable for the surrounding fire.
Unsuitable extinguishing media	No restrictions specified for this mixture.
Specific hazards arising from the mixture	Nitrogen oxides and sulfur oxides may be produced in a fire.
Explosion data	Impact and static-discharge sensitivity: no information available.
Advice for firefighters	Wear self-contained breathing apparatus in case of fire.

Safe use & protection

ClearBand Ponceau S Staining Solution | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid breathing vapours or aerosol. Ensure adequate ventilation; use protective clothing and eye protection.
Environmental precautions	Do not allow material to enter drains.
Methods and materials for containment and cleaning up	Cover drains, absorb spilled liquid and collect in a suitable container. Dispose properly and clean the affected area.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin, eyes and clothing; use adequate ventilation and protective gloves and eyewear. Avoid eating or drinking while using.
Conditions for safe storage	Keep tightly closed in a dry, well-ventilated area. Store at 15–25°C.
Container labelling	Use original, correctly labelled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No specific mixture occupational exposure limit values are identified.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Use good laboratory and industrial hygiene. Do not eat, drink or smoke while handling. Wash hands after use.
Eye / face protection	Wear safety glasses with side shields or protective goggles conforming to EN 166.
Hand protection	Wear suitable chemical-resistant gloves; inspect gloves before use.
Skin and body protection	Wear a laboratory coat or suitable protective clothing.
Respiratory protection	Use suitable respiratory protection when ventilation is insufficient.

Material properties

ClearBand Ponceau S Staining Solution | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	Not applicable under normal use.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None expected under normal handling.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	No data available
Hazardous decomposition products	In case of fire, see Section 5.

Health & environment

ClearBand Ponceau S Staining Solution | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Whole-mixture data not available.
Skin corrosion / irritation	Whole-mixture data not available.
Serious eye damage / eye irritation	Whole-mixture data not available.
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT - SE	No data available
STOT - RE	No data available
Aspiration hazard	No data available

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: Vapour or mist may cause irritation.
Skin: Prolonged contact may cause irritation.
Eyes: Contact may cause eye irritation.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Acetic acid reference data include fish LC50 >1,000 mg/L (96 h) and Daphnia EC50 >1,000 mg/L (48 h); these are ingredient data, not mixture test results.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No PBT/vPvB constituents at >=0.1% are identified in the mixture information.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose through a licensed waste-disposal service in accordance with applicable local and national regulations.
Contaminated packaging	Dispose of as unused product. Do not reuse empty containers.

Transport & reference

ClearBand Ponceau S Staining Solution | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
DOT (US)	-	Not regulated as dangerous goods	-	-	No
IMDG	-	Not regulated as dangerous goods	-	-	No
IATA	-	Not regulated as dangerous goods	-	-	No

- = Not applicable / not assigned.

Special precautions for user	Keep tightly closed during transport. Follow normal laboratory precautions.
Transport in bulk according to MARPOL / IBC	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008 (CLP), as applicable.
Environmental hazards	Not classified as dangerous goods for transport in the supplied SDS.
Chemical safety assessment	Not carried out.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and Very Bioaccumulative
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail