Safety data sheet

ChemiPURE Ponceau S, Sodium Salt

Product name ChemiPURE Ponceau S, Sodium Salt	Catalog no. POS05, POS10, POS25
Synonyms Ponceau S; Acid Red 112; C.I. 27195	SDS revision -
CAS no. 6226-79-5	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ChemiPURE Ponceau S, Sodium Salt
Product code	POS05 (5 g); POS10 (10 g); POS25 (25 g)
CAS number	6226-79-5
EC number	228-319-2
Recommended use	For research use only. Reversible protein staining on PVDF and nitrocellulose membranes following Western blot transfer.
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

Classification	Skin Irrit. 2 (H315); Eye Irrit. 2 (H319); STOT SE 3 (H335), according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	GHS07; signal word: Warning.
Symbols / pictograms	
Signal word	Warning
Hazard statements	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.
Precautionary statements - Prevention	P261 - Avoid breathing dust. P264 - Wash thoroughly after handling. P271 - Use only in a well-ventilated area. P280 - Wear protective gloves and eye protection.
Precautionary statements - Response	P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove to fresh air. P305+P351+P338 - IF IN EYES: Rinse with water; remove contact lenses if easy. P337+P313 - If eye irritation persists: Get medical advice.
Other hazards	Dust may cause respiratory discomfort. Avoid dust formation and prevent release into drains.

Composition & response

ChemiPURE Ponceau S, Sodium Salt | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ChemiPURE Ponceau S, Sodium Salt
Synonyms	Ponceau S; Acid Red 112; C.I. 27195
Concentration	Ponceau S sodium salt; exact assay / purity not available.
Formula	C22H12N4Na4O13S4
Molecular weight	760.57 g/mol
Mixture statement	Substance: Ponceau S (tetrasodium salt), CAS 6226-79-5, EC 228-319-2. Exact purity and residual impurity concentrations: No data available.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with plenty of water for at least 15 minutes, including under eyelids. Remove contact lenses if easy. Obtain medical attention.
Skin contact	Wash affected skin with water and soap. Remove contaminated clothing. Seek medical advice if irritation occurs or persists.
Inhalation	Move to fresh air and keep comfortable for breathing. Seek medical advice if coughing or respiratory irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical attention if unwell; never give anything by mouth to an unconscious person.
Self-protection of first aider	Use gloves, protective clothing and eye protection; avoid inhaling airborne dust.
Most important symptoms / effects	Skin and eye irritation; coughing or respiratory tract irritation after inhalation of dust.
Notes to physicians	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), dry chemical powder or foam suitable for the surrounding fire.
Unsuitable extinguishing media	No specific data available. Avoid high-pressure jets that disperse powder.
Special hazards arising from the substance or mixture	Thermal decomposition may release irritating or toxic fumes, including carbon oxides, nitrogen oxides and sulfur oxides.
Explosion data	No specific explosion data available. Avoid dispersion of fine powder in air.
Advice for firefighters	Wear full protective clothing and self-contained breathing apparatus when fighting fires.

Safe use & protection

ChemiPURE Ponceau S, Sodium Salt | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Avoid creating or inhaling dust. Wear gloves, laboratory coat and eye protection.
Environmental precautions	Do not discharge to drains, surface water or soil.
Methods and materials for containment and cleaning up	Collect powder carefully by mechanical means without creating dust. Place into a dry, tightly closed labelled container for disposal.
Reference to other sections	See Sections 8 and 13 for exposure controls and waste disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes and avoid inhaling dust. Work in a well-ventilated area; wash hands thoroughly after handling.
Conditions for safe storage	Store at 15–25 °C in a dry place in a tightly closed container. Protect from excessive heat, moisture and incompatible materials.
Container labeling	Store in the original container or a properly labelled, tightly closed container.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No substance-specific workplace exposure limit is established; keep airborne dust concentrations as low as reasonably practicable.

8.2 Exposure controls

Engineering measures	Provide adequate ventilation and local exhaust where dust may form; make eyewash facilities available.
Hygiene measures	Do not eat, drink or smoke during use. Remove contaminated clothing and wash hands after handling.
Eye / face protection	Wear chemical safety goggles or equivalent eye protection conforming to EN 166.
Hand protection	Wear suitable chemical-resistant protective gloves; select according to exposure and breakthrough time.
Skin and body protection	Wear a laboratory coat, long trousers and closed footwear.
Respiratory protection	Use suitable particulate respiratory protection if ventilation is insufficient or dust is generated.

Material properties

ChemiPURE Ponceau S, Sodium Salt | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Dark red to brown powder (solid).
Odor	No verified product-specific data available.
Odor threshold	No data available.
pH	Not applicable to dry substance; solution pH not verified.
Melting point / freezing point	No data available.
Initial boiling point and boiling range	Not applicable / No data available.
Flash point	Not applicable (solid).
Evaporation rate	Not applicable (solid).
Flammability (solid, gas)	Not classified as a flammable solid under CLP.
Upper / lower flammability or explosive limits	No data available.
Vapor pressure	Not applicable / No data available.
Vapor density	Not applicable (solid).
Relative density	No data available.
Solubility(ies)	Soluble in water; quantitative product-specific value not available.
Partition coefficient: n-octanol / water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	Not applicable (solid).
Explosive properties	Not classified as explosive.
Oxidizing properties	Not classified as oxidizing.

10 STABILITY AND REACTIVITY

Reactivity	No hazardous reactivity expected under normal laboratory use.
Chemical stability	Stable under normal conditions when stored at 15–25 °C in a tightly closed container.
Possibility of hazardous reactions	No hazardous reactions known under recommended handling and storage conditions.
Conditions to avoid	Excessive heat, dust generation and contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides may form on decomposition.

Health & environment

ChemiPURE Ponceau S, Sodium Salt | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Quantitative toxicity data are not available for the supplied substance.
Skin corrosion / irritation	Skin Irrit. 2 (H315): Causes skin irritation.
Serious eye damage / eye irritation	Eye Irrit. 2 (H319): Causes serious eye irritation.
Carcinogenicity	No data available for classification.
Reproductive toxicity	No data available for classification.
STOT - SE	STOT SE 3 (H335): May cause respiratory irritation.
STOT - RE	No data available for classification.
Aspiration hazard	Not applicable to a solid.

11.2 Potential health effects

Ingestion: May cause gastrointestinal discomfort.
Inhalation: May cause respiratory irritation (H335).
Skin: Causes skin irritation (H315).
Eyes: Causes serious eye irritation (H319).

11.3 Additional information

No additional substance-specific toxicological data are available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No specific data available. Prevent uncontrolled release to drains, soil or water.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No substance-specific PBT or vPvB assessment data available.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Collect unused dye and contaminated absorbents as laboratory chemical waste. Dispose of according to applicable local regulations; do not empty into drains.
Contaminated packaging	Dispose of as chemical-contaminated waste according to local requirements. Do not reuse containers.

Transport & reference

ChemiPURE Ponceau S, Sodium Salt | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR/RID	-	Not regulated	-	-	No
IMDG	-	Not regulated	-	-	No
IATA	-	Not regulated	-	-	No

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008 (CLP). Skin Irrit. 2 (H315), Eye Irrit. 2 (H319), STOT SE 3 (H335).
Environmental hazards	Not classified as hazardous to the aquatic environment under CLP.
Chemical safety assessment	No substance-specific chemical safety assessment is available.

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 very Bioaccumulative and toxic
ADR	European 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 code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail