

SAFETY DATA SHEET



Conforms to regulation (EC) no. EU 453/2010

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Ponceau S Staining Solution

Product Number: EC-728

1.2 Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Investigational research by professional users

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer

National Diagnostics
305 Patton Drive
Atlanta, GA 30036
(404) 699-2121
(800) 526-3867
info@nationaldiagnostics.com

1.4 Emergency Telephone Number

ChemTel Inc.

Contract number MIS8894340
1-800 255-3924 (United States, Canada, Puerto Rico & US Virgin Islands)
01-800-099-0731 (Mexico)
400-120-0751 (China)
000-800-100-4086 (India)
1-300-954-583 (Australia)
0-800-591-6042 (Brazil)
+1-813-255-3924 (All other regions)

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

H315 - Skin Corrosion/Irritation (Category 2)
H320 - Serious Eye Damage/Eye Irritation (Category 2B)

2.2 Label Elements

GHS LABEL ELEMENTS AND CLASSIFICATION

GHS Label Elements



WARNING

H315 - Causes skin irritation.
H320 - Causes eye irritation.
P264 - Wash skin thoroughly after handling.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do. Continue rinsing.

2.3 Other Hazards

None found.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Chemical Names/Description

Colorless, odorless solution

Component List

Component	% Comp.	CAS #	EC #	1278/2008 Classification
Ponceau S	0.1	6226-79-5	228-319-2	N.A.
Acetic Acid	5	64-19-7	200-580-7	H226, H314

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion

Do not induce vomiting unless directed by medical personnel.

Skin

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eyes

Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed**Inhalation**

Ponceau S:

N.A.

Acetic Acid:

Ingestion

Ponceau S:

N.A.

Acetic Acid:

Skin

Ponceau S:

N.A.

Acetic Acid:

Eyes

Ponceau S:

N.A.

Acetic Acid:

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Unknown/not applicable

SECTION 5 - FIRE FIGHTING MEASURES**5.1 Extinguishing media**

No data

5.2 Special Hazards Arising from the Substance/Mixture**Hazardous Combustion Products**

N.A.

Hazardous Decomposition Products

N.A.

Hazardous Polymerization

N.A.

5.3 Advice for Firefighters

N.A.

5.4 Further Information

No data available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions**

Wear appropriate protective equipment as specified in Section 8.

6.2 Environmental Precautions

No special or unique environmental precautions needed over standard procedure.

6.3 Methods and Materials for Containment and Cleaning Up

Contain and clean up spill immediately, prevent from entering floor drains. Contain liquids using absorbents. Shovel all spill materials into

disposal drum. Scrub spill area with detergent, flush with copious amounts of water.

6.4 References to Other Sections

For disposal information, see Section 13. For protective clothing and equipment, see Section 8.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

7.2 Conditions for Safe Storage (including any incompatibles)

Keep in a tightly closed container, stored in a cooled, dry, ventilated area away from sources of heat or ignition. Protect from physical damage. Isolate from incompatible materials (Section 10).

Incompatibles

Ponceau S:

None

Acetic Acid:

Chromic acid, nitric acid, ethylene glycol, perchloric acid, phosphorous trichloride, oxidizers, sodium peroxide, strong caustics, most metals (except aluminum), carbonates, hydroxides, oxides, and phosphates.

7.3 Specific End Uses

Investigational research by professional users

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PRECAUTIONS

8.1 Control Parameters

Component: Ponceau S

ACGIH Threshold Limit Value (TLV): Not established

OSHA Permissible Exposure Limit (PEL): Not established

Component: Acetic Acid

ACGIH Threshold Limit Value (TLV): 10 ppm (TWA)

OSHA Permissible Exposure Limit (PEL): None established

8.2 Exposure Controls

Engineering Controls

Not expected to require any special ventilation.

Respiratory Protection

Not expected to require personal respirator usage.

Eye Protection

Safety glasses.

Skin Protection

Wear protective gloves and clean body covering clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical & Chemical Properties

a. Appearance	Colorless solution	b. Odor	None
c. Odor Threshold	N.A.	d. pH	Neutral
e. Melting/Freezing Point (°C)	0	f. Boiling point (°C)	104.4
g. Flash Point (°C)	N.A.	h. Evaporation Rate	N.A.
i. Flammability	N.A.	j. Upper/Lower Flammability or Explosive Limits	No data
k. Vapor Pressure	N.A.	l. Vapor Density (Air = 1)	N.A.
m. Relative Density	N.A.	n. Water Solubility	N.A.
o. Partition Coefficient n-octanol/water	Mixture	p. Autoignition Temperature (°C)	No data
q. Decomposition Temperature (°C)	N.A.	r. Viscosity	No data available
s. Explosive Properties	N.A.	t. Oxidizing Properties	N.A.

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

N.A.

10.2 Chemical Stability

Stable under ordinary conditions of usage.

10.3 Possibility of Hazardous Reactions

N.A.

10.4 Conditions to Avoid

Incompatibles

10.5 Incompatible Materials

Ponceau S:

None

Acetic Acid:

Chromic acid, nitric acid, ethylene glycol, perchloric acid, phosphorous trichloride, oxidizers, sodium peroxide, strong caustics, most metals (except aluminum), carbonates, hydroxides, oxides, and phosphates.

10.6 Hazardous Decomposition Products

N.A.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product LD50 Values

Oral Rat LD50 (mg/kg)

N.A.

Dermal Rabbit LD50 (mg/kg)

N.A.

Component Cancer List Status

	NTP Carcinogen		IARC Category
	Known	Anticipated	
Ponceau S	N.A.	N.A.	None
Acetic Acid	No	No	None

Potential Health Effects

Inhalation

Ponceau S

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Acetic Acid

Ingestion

Ponceau S

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Acetic Acid

Skin

Ponceau S

Wash with soap and water

Acetic Acid

Eyes

Ponceau S

Flush eyes with water.

Acetic Acid

Carcinogenicity

Ponceau S

No data

Acetic Acid

Mutagenicity

Ponceau S

No data

Acetic Acid

Reproductive Toxicity

Ponceau S

No data

Acetic Acid

Teratogenic Effects

Ponceau S

No data

Acetic Acid

Routes of Entry

Ponceau S

No data

Acetic Acid

Target Organ Statement

Ponceau S

No information found

Acetic Acid

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

COMPONENT: Ponceau S

	Vertebrates	Invertebrates	Algae	Microorganisms
Aquatic Toxicity (ppm unless otherwise noted)	N.A.	N.A.	N.A.	N.A.

	Birds	Arthropods	Plants	Microorganisms
Terrestrial Environment Toxicity (ppm unless otherwise noted)	N.A.	N.A.	N.A.	N.A.

COMPONENT: Acetic Acid

	Vertebrates	Invertebrates	Algae	Microorganisms
Aquatic Toxicity (ppm unless otherwise noted)	No data	No data	No data	No data

	Birds	Arthropods	Plants	Microorganisms
Terrestrial Environment Toxicity (ppm unless otherwise noted)	No data	No data	No data	No data

12.2 Persistence and Degradability

Ponceau S

N.A.

Acetic Acid

No data

12.3 Bioaccumulative Potential

Ponceau S

N.A.

Acetic Acid

No data

12.4 Mobility in Soil

Ponceau S

N.A.

Acetic Acid

No data

12.5 Results of PBT and vPvB Assessment

Ponceau S

N.A.

Acetic Acid

No data

12.6 Other Adverse Effects

Ponceau S

None

Acetic Acid
None

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.

SECTION 14 - TRANSPORT INFORMATION

	ADR/RID	IATA	IMO	DOT
14.1 UN Number	N.A.	N.A.	N.A.	N.A.
14.2 Shipping Name	N.A.	N.A.	N.A.	N.A.
14.3 Hazard Class	N.A.	N.A.	N.A.	N.A.
14.4 Packing Group	N.A.	N.A.	N.A.	N.A.
14.5 Environmental Hazards	N.A.	N.A.	N.A.	N.A.
14.6 Special Precautions	N.A.	N.A.	N.A.	N.A.

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture

United States

TSCA Regulatory Statement
N.A.

SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute	Chronic
Ponceau S	No	No	No	No	No
Acetic Acid	Yes	No	Yes	Yes	Yes

Europe

EEC Regulatory
N.A.

SECTION 16 - OTHER INFORMATION

Revisional Updates

4/26/2019 - Updated Section 1.4
7/20/2017 - Released Version 1.0

NFPA Codes

Health N.A. Flammability N.A. Reactivity N.A.

Dangers

Ponceau S
None

Acetic Acid

H226 - Flammable liquid and vapor.
H314 - Causes severe skin burns and eye damage.

MANUFACTURER DISCLAIMER: The information given herein is offered in good faith as accurate, but without guarantee. Conditions of the use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.