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MATERIAL SAFETY DATA SHEET

Section 1 Product and company identification

Product name: **AzurePonceau Stain**
Supplier: Azure Biosystems, Inc.
Address: 6773 Sierra Court, Suite B
Dublin, CA 94568

Recommended Use: For research use only.

Restrictions on Use: Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

Section 2 Hazards identification

EMERGENCY OVERVIEW:

Observe the general safety regulations when handling chemicals.

HMIS RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

NFPA RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

For additional information on toxicity, please refer to Section 11.

Section 3 Composition/Information on Ingredients

Ingredient	CAS #	%
Water	7732-18-5	>98%
Acetic acid	64-19-7	1%
CI 27195	6626-79-5	0.1%

Section 4 - First Aid Measures

ORAL EXPOSURE

If swallowed, do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Call a physician.

INHALATION EXPOSURE

If fumes or combustion products are inhaled move to fresh air. Call a physician if patient feels unwell.

DERMAL EXPOSURE

Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Get medical attention if skin irritation occurs.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water. Do not apply neutralizing agents. Obtain medical attention if pain, blinking, or redness persist.

Section 5 Fire Fighting Measures

FLASH POINT	N/A
AUTOIGNITION TEMP	N/A
FLAMMABILITY	N/A
EXTINGUISHING MEDIA	

Suitable: Water spray, carbon dioxide extinguishing powder, or alcohol-resistant foam.

Not suitable: Not known

FIREFIGHTING

Protective Equipment: Wear breathing apparatus and protective gloves for fire only.

HAZARDOUS COMBUSTION PRODUCTS

Under fire conditions hazardous decomposition products are formed – Carbon oxides

Section 6 Accidental Release Measures

METHODS FOR CLEANING UP:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable closed container disposal. Avoid breathing vapors and contact with skin and eyes.

PERSONAL PRECAUTIONS

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.

Section 7 Handling and Storage**HANDLING**

Wear protective clothing when risk of exposure occurs. Do not allow clothing wet with material to stay in contact with skin. Avoid breathing vapors and contact with skin and eyes.

STORAGE

Store in original containers. Keep containers securely sealed.

Section 8 Exposure Controls / PPE

Component s	CAS-No	Value	Control parameters	Basis	Remarks
Acetic Acid	64-19-7	TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)	Eye & Upper Respiratory Tract Irritation Pulmonary Function
		STEL	15 ppm	USA. ACGIH Threshold Limit Values (TLV)	Eye & Upper Respiratory Tract Irritation Pulmonary Function
		TWA	10 ppm 25 mg/m ³	USA. OSHA – Table Z-1 Limits for air contaminants	The value in mg/m ³ is approximate
		TWA	10 ppm 25 mg/m ³	USA. OSHA – Table Z-1 Limits for air contaminants – 1910.1000	
		TWA	10 ppm 25 mg/m ³	USA. NIOSH Recommended Exposure Limits	
		ST	15 ppm 37 mg/m ³	USA. NIOSH Recommended Exposure Limits	

PERSONAL PROTECTIVE EQUIPMENT**Respiratory:**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye:

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

GENERAL HYGIENE MEASURES:

The usual precautionary measures for handling chemicals should be followed. Wash thoroughly after handling.

Section 9 Physical and chemical properties**Appearance Physical State:**

Dark red clear liquid

Section 10 Stability and Reactivity**STABILITY:**

No decomposition if used according to specifications.

Materials to avoid:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under fire conditions hazardous decomposition products are formed – Carbon oxides

Section 11 Toxicological Information**ROUTE OF EXPOSURE****Skin Contact:**

May cause skin irritation.

Eye Contact:

Causes eye irritation.

Inhalation:

May be harmful if inhaled.

Ingestion:	May be harmful if swallowed.
Sensitization:	No sensitizing effects known.
Target organs:	No data available.

Section 12 Ecological Information

No known significant effects or critical hazards.

Section 13 Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Observe all federal, state, and local environmental regulations.

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14 Transport Information

DOT	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15 Regulatory Information

OSHA Hazards	Target Organ Effect, Corrosive
SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)	
Section 302	None of the ingredients is listed
Section 313	None of the ingredients is listed
311/312 Hazards	Acute Health Hazard, Chronic Health Hazard
Massachusetts Right to Know Components	Acetic acid, CAS-No. 64019-7 (Revision date 1993-04-24)
Pennsylvania Right to Know Components	Water, CAS-No. 7732-18-5
	Acetic acid, CAS-No. 64019-7 (Revision date 1993-04-24)
New Jersey Right to Know Components	Water, CAS-No. 7732-18-5
	Acetic acid, CAS-No. 64019-7 (Revision date 1993-04-24)
California Prop 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 Other information

Date of last revision: May 9, 2014.

For R&D use only. Not for drug, household or other uses.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.