SAFETY DATA SHEET

Section 1 Chemical Product and Company Identification

ACETO-ORCEIN BIOLOGICAL STAIN

HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

Product

Page E1 of E2 CHEMTREC 24 Hour Emergency USA

Phone Number (800) 424-9300

1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only. Not for drug, food or household use.

Synonyms Aceto-Orcein Stain / Aceto-Orcein 2% Solution / Aceto-Orcein, 2% in Aq	ueous Solution
Section 2 Hazards Identification	
Signal word: DANGER Pictograms: GHS05 Target organs: Respiratory system, Eyes, Skin, Teeth	 Precautionary statement: P260: Do not breathe mist/vapours/spray. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P363: Wash contaminated clothing before reuse. P304+P301: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310: Immediately call a POISON CENTER or doctor. P3054+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Acetic acid Water Orcein		64-19-7 7732-18-5 1400-62-0	50% 48% 2%	200-580-7 231-791-2 215-750-6	
Section 4	First Aid Mossures				

Section 4 First Aid Measures

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE CORNEAL BURNS. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY CAUSE SKIN IRRITATION AND/OR BURNS. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This chemical reacts violently with strong oxidizers, generating a fire and explosion hazard. Reacts violently with strong bases, strong acids and many other compounds.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits.	Acetic acid	TWA: 25 mg/m ³ STEL: 37 mg/m ³	TWA: 25 mg/m ³	TWA: 25 mg/m ³ STEL: 37 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Appearance: Red liqu Odor: Strong, acrid, v Odor threshold: Data pH: Data not available Melting / Freezing po Boiling point: 118.1° Flash point: Data not Section 10							
Postion 10	a not available. e int: 16.7°C (62°F)* C (244°F)*	Flammability (Explosion limi Vapor pressur Vapor density Relative densi	tte (Butyl acetate = 1): solid/gas): Data not a ts: Lower / Upper: D e (mm Hg): 11.4 @ 20 (Air = 1): 2.07* ty (Specific gravity): 1 Soluble in water.	vailable. ata not available °C*	Auto-igniti Decompos Viscosity: Molecular		: Data not available re: Data not available. ele. e
Section 10	Stability & Reactivity						
Chemical stability: S Conditions to avoid:	Stable Excessive temperatures, h		ous polymerization: V ame and other sources				
•	als: Bases, strong oxidizers hyde and acetic anhydride.				xides, phosph	ates. Corrosive to	o some metals. Potentially vio
Hazardous decompo	sition products: Carbon n	nonoxide, hydrogen	sulfide and other harm	ful gases or vapors	including oxid	es and/or other c	compounds of sulfur and sodiu
Section 11	Toxicological Information	on					
Germ cell mutagenic Carcinogenity: Data NTP: No component of IARC: No component OSHA: No component Reproductive toxicit STOT-single exposu STOT-repeated expo Aspiration hazard: ID Potential health effec Inhalation: Exposure shortness of breath, a	of this product present at lev of this product present at le t of this product present at le y: Data not available re: Data not available sure: Data not available Data not available cts: to vapor may cause irritation nd headache.	els greater than or e vels greater than or evels greater than o n of the eyes, nose,	equal to 0.1% is identif r equal to 0.1% is ident	ied as probable, po ified as a carcinoge	ssible or confi n or potential (rmed human carc carcinogen by OS	
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dent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015