



MATERIAL SAFETY DATA SHEET

MSDS No: 0239,002.00
Revision Date: December 16, 2011
Approved by: Darius Nicpon

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Ronkonkoma, NY 11779
800-381-8003

Section 1		Chemical Product and Company Name	
Product	ACETO-ORCEIN STAIN		
Synonyms	Acetic acid mixture, ethanoic acid mixture		
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300		
		ITEM No: CASE-B017	

Section 2					Composition/Ingredients Information	
		Chemical Name	CAS#	%	TLV Units	
Water Acetic acid Orcein			7732-18-5	N/A	None established	
			64-19-7	N/A	TWA: 10mg/m ³	
			1400-62-0	N/A	None established	

Section 3			Hazards Identification	
WARNING! CORROSIVE! CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANE				
			0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	Health Flammability Physical Hazard Personal Protection C HMIS

Section 4		First Aid Measures
INGESTION:		Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.
EYE CONTACT:		Remove to fresh air. Get medical attention if necessary.
SKIN CONTACT:		Remove contaminated clothing. Flush thoroughly with mild soap and water. Get medical attention if irritation or burns develop.

Section 5		Fire Fighting Measures
Nonflammable liquid.		
Extinguishing Media:		Use TriClass, dry chemical extinguisher for surrounding fires. Use self-contained breathing apparatus and protective clothing.
Flash point:		not available
Autoignition temperature:		not available
Explosion limits:		Lower: not available Upper: not available



Section 6		Accidental Release Measures
Restrict unprotected personnel from the area. Contain the spill with inert absorbent material. Neutralize with sodium bicarbonate or calcium hydroxide and deposit in a sealed bag or container. Ventilate and wash spill area with soap and water.		
Section 7		Handling and Storage
Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision.		
Handling:		Use hood or with adequate ventilation. Avoid breathing vapor. Wash hands thoroughly after handling.
Storage:		Store in a dedicated acid cabinet. Keep container in cool, well-ventilated area.

Section 8		Exposure Controls/ Personal Protection
Engineering controls:		Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use hood or ventilation to keep airborne concentrations below exposure limits.
Respiratory protection:		Non should be needed if normal laboratory handling at room temperature. Use a NIOSH-approved respirator with proper cartridge when handling this material in emergency situations.

Section 9		Physical and Chemical Properties
Physical state:		Liquid
Appearance:		Transparent, Colorless, Clear.
Odor:		Vinegar-like, sour.
pH:		Acidic
Vapor Pressure (mm Hg):		Not available
Vapor Density:		The highest known is 0.62
Evaporation Rate:		Not available

Section 10		Stability and Reactivity
Chemical Stability:		Stable
Conditions to Avoid:		High temperatures, sparks open flames and incompatible materials.
Incompatibilities:		strong oxidizing agents, chromic and nitric acid, carbonates, metals, hydroxides, amines.
Hazardous decomposition:		not available.
Hazardous polymerization:		Will not occur.

Section 11		Toxicological Information
Effects of overexposure:		Eye: Causes eye irritation, redness and pain, May cause burns, blurred vision, conjunctivitis, corneal destruction and permanent injury. Stains tissue. Skin: Causes skin irritation. May cause blistering, tissue burns and damage. Stains tissue. Inhalation: Causes respiratory track irritation. Affects the sense organs. Corrosive to mucous membrane. Severe exposure may result in lung tissue damage. Ingestion: Causes gastrointestinal track irritation with possible burns associated with burning and pain of the mouth, throat, nausea, diarrhea, abdominal pain. May also affect blood, metabolism, liver and the urinary system.
Acute oral toxicity LD ₅₀ :		3310mg/kg[Rat].
Acute dermal toxicity LD ₅₀ :		1060mg/kg [Rabbit].
Acute vapor toxicity LC ₅₀ :		5620ppm 1h [Mouse].

Section 12		Ecological Information
Not available		
Section 13		Disposal Considerations
Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.		
Section 14		Transport Information
UN number:		2790
Shipping name:		Acetic acid solution
Hazard Class:		8
Packing group:		III
Exceptions:		Ltd Qty. 4L

Section 15		Regulatory Information
TSCA-listed.		DSCL (EEC) R36/37/38- Irritating to eyes, respiratory system and skin. R35- Causes severe burns.

Section 16		Other Information
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