



MATERIAL SAFETY DATA SHEET

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Ronkonkoma, NY 11779
800-381-8003

MSDS No: 0239.002.00
Revision Date: December 16, 2011
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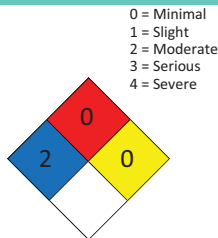
Section 1 Chemical Product and Company Name		
Product	ACETO-ORCEIN STAIN	ITEM No: CASE-B017
Synonyms	Acetic acid mixture, ethanoic acid mixture	
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

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

Section 3 Hazards Identification				
WARNING! CORROSIVE! CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANE		0 = Minimal	Health	3
		1 = Slight	Flammability	0
		2 = Moderate	Physical Hazard	0
		3 = Serious	Personal Protection	C
		4 = Severe		
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.	
INHALATION: Remove to fresh air. Get medical attention if necessary.	
EYE CONTACT: Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention immediately.	
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.	
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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	Boiling point: The lowest know is 100°C Melting point: N/A Freezing point: 0°C/32°F Decomposition temp: Not available Solubility: Miscible in water, methanol, acetone. Specific gravity (H₂O = 1): 1.011 at 20°C Percent volatile (%): Not available Molecular formula: Mixture Molecular weight: Mixture

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 LD₅₀: 3310mg/kg[Rat].
Acute dermal toxicity LD₅₀ 1060mg/kg [Rabbit].
Acute vapor toxicity LC₅₀: 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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