

Material Safety Data Sheet

FLUORESC EIN REAGENT

SECTION 1- IDENTITY

NAME Evident Crime Scene Products		ADDRESS 739 Brooks Mill Road, Union Hall, VA 24176	
TELEPHONE 800-576-7606	FOR ADDITIONAL INFORMATION CONTACT: Technical Support		DATE PREPARED: January 1,2010
COMMON NAME (USED ON LABEL) Fluorescein Reagent			CHEMICAL FAMILY: N/A (Chemical mixture)
CHEMICAL NAME: Does Not Apply	FORMULA: Does not apply	TRADE NAME & SYNONYMS: Fluorescein Reagent	

SECTION 2- HAZARDOUS INGREDIENTS

	CAS#	TLV	PEL
Part A			
ACETIC ACID	64-19-7	10 ppm	10 ppm
ETHANOL	64-17-5	1000 ppm	1000 ppm
Part B			
ETHANOL	64-17-5	1000 ppm	1000 ppm
(Part C)			
ETHANOL	64-17-5	1000 ppm	1000 ppm

PEL: Permissible Exposure Limit established by Occupational Safety and Health Administration

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists

PHYSICAL DATA

BOILING POINT: 78 C (Ethanol) 100C (Hydrogen Peroxide)	SPECIFIC GRAVITY: 0.78 (Ethanol) 1.09 (Hydrogen Peroxide)	VAPOR PRESSURE: 40mm @ 50C 23mm @30C	VAPOR DENSITY: 1.59(Ethanol) >1 (Hydrogen Peroxide)
PERCENT VOLATILE (VOL) 95%+	SOLUBILITY (WATER) 98%+	REACTIVITY IN WATER: None	EVAPORATION RATE: High (EtOH)
APPEARANCE AND ODOR: Clear Colored Liquids, Mild Odor			

SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: Ethanol 55.6C	AUTO IGNITION TEMPERATURE 793C (Ethanol)	FLAMMABLE LIMITS IN AIR (% by VOLUME) LOWER: 3.3% (EtOH) UPPER: 19%
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, water mist,		
UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions		
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing		

CONTINUED ON REVERSE SIDE

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Evident Crime Scene Products & Crime Scene Supply, Incorporated shall not be held liable for any damage or injury to any party, or second party, or bystander resulting from the use, handling, or from contact with the above product.

SECTION 5- HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE

Inhalation, ingestion, or absorption through skin

SIGNS & SYMPTOMS OF EXPOSURE
1: ACUTE OVEREXPOSURE:

May cause eye, skin, or respiratory irritation, Breathing Difficulty, Light headedness

2: CHRONIC OVEREXPOSURE:
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

May cause eye, skin, or respiratory irritation

CHEMICAL /COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

None

OTHER EXPOSURE LIMITS:

Not established

EMERGENCY & FIRST AID PROCEDURES:

EYES: Flush with cool tap water for at least 15 minutes

SKIN: Wash thoroughly with warm water

RESPIRATORY: Remove to fresh air, if distress continues, administer oxygen and contact physician

INGESTION: Drink large amounts of water

IN ALL CASES IF IRRITATION OR DISTRESS PERSISTS, CONTACT PHYSICIAN OR NEAREST POISON CONTROL CENTER

SECTION 6- REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

High Temperatures, Sources of ignition, Open flame

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong Oxidizing agents, Strong Acids, Strong Bases

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide on combustion

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS TO AVOID (POLYMERIZATION)

Not applicable for polymerization

SECTION 7- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:

Eliminate all sources of ignition. Wear protective equipment. For small spills, absorb on paper towels, evaporate in fume hood. Burn the absorbed material in an incinerator. If dry- clean up spill in a manner which minimizes dust spread.

WASTE DISPOSAL METHOD:

Dispose of wastes in accordance with current Federal, State, and Local codes and guidelines.

SECTION 8- PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

NIOSH/OSHA Approved Organic Vapor Respirator

VENTILATION:

Room ventilation is expected to be adequate except during spills or fires.

PROTECTIVE GLOVES:

Chemical resistant gloves

EYE PROTECTION:

Suggested when the potential of splashes or contact with the eyes or face is possible

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

An eye wash fountain and safety shower should be readily available where the potential for splashes or eye contact with the reagent exists

SECTION 9- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store and handle according to package and MSDS directions. Store in cool, well-ventilated area. Keep away from reactive materials and away from fire hazard or source of ignition.

OTHER PRECAUTIONS:

Do not ingest, get in eyes, on skin, or on clothing. Avoid breathing dust or vapor. Wash thoroughly after handling.

TRANSPORTATION

Shipping Name: Ethanol Solution Hazard Class: 3 UN# 1170 Packing Group: II Flammable Liquid

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