

Material Safety Data Sheet

BULLETHOLE EXAMINATION KIT

SECTION 1- IDENTITY

NAME Evident Forensic Products		ADDRESS 739 Brooks Mill Road, Union Hall, VA 24176	
TELEPHONE 800-576-7606	FOR ADDITIONAL INFORMATION CONTACT: Bob Kopec (706)896-9742		DATE PREPARED: January 1, 2014
COMMON NAME (USED ON LABEL) Bullethole Examination Kit			CHEMICAL FAMILY: N/A
CHEMICAL NAME: Does Not Apply	FORMULA: N/A	TRADE NAME & SYNONYMS:	

SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS#	TLV	PEL
LEAD EXAMINATION PART A			
ACETIC ACID (5%)	64-19-7	10 ppm	10 ppm
COPPER EXAMINATION PART A			
AMMONIUM HYDROXIDE (12%)	1336-21-6	UNK	UNK
COPPER EXAMINATION PART B			
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: 78C (Ethanol)	SPECIFIC GRAVITY: 0.78	VAPOR PRESSURE: 40 mm @ 50C	VAPOR DENSITY: 1.59
PERCENT VOLATILE (VOL) > 99%	SOLUBILITY (WATER) Miscible	REACTIVITY IN WATER: None	EVAPORATION RATE: High
APPEARANCE AND ODOR: Clear Colored Liquid			

SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: 55.6C	AUTO IGNITION TEMPERATURE 793 C	FLAMMABLE LIMITS IN AIR (% by VOLUME) LOWER: 3.3 UPPER: 19	
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Appropriate Chemical Foam			
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 Forensic 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, Corrosive, Harmful if swallowed, inhaled, or absorbed through skin

SIGNS & SYMPTOMS OF EXPOSURE
1: ACUTE OVEREXPOSURE:

May cause eye, skin, or respiratory irritation or burns, corrosive

2: CHRONIC OVEREXPOSURE:

May cause eye, skin, or respiratory irritation or burns, corrosive

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: Immediately flush with copious amounts of cool tap water, Assure adequate flushing by separating eyelids with fingers
SKIN: Immediately wash thoroughly with warm water and soap
RESPIRATORY: Remove to fresh air, if distress continues, administer oxygen and contact physician
INGESTION: Drink large amounts of water, rinse out mouth, call a physician

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 Heat, Sources of ignition

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong Bases Strong Acids

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Dioxide, And Carbon Monoxide under fire conditions

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:

Wear protective equipment. For small spills absorb on paper towels, evaporate in fume hood

WASTE DISPOSAL METHOD:

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

SECTION 8- PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Wear NIOSH/MSHA Approved Organic Vapor Respirator

VENTILATION:

Use in chemical fume hood or with adequate ventilation

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 skin 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. Corrosive.

TRANSPORTATION

NOT REGULATED LIMITED QUANTITY EXCEPTIONS

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