

# Material Safety Data Sheet

## CARTRIDGE CASE DEVELOPMENT KIT

### 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) Cartridge Case Development Kit			CHEMICAL FAMILY: Element
CHEMICAL NAME: Mixture	FORMULA: Does not apply	TRADE NAME & SYNONYMS: Blueing Solution, Acidified Peroxide Solution	

### SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS#	TLV	PEL
<b>BLUEING SOLUTION</b>			
NITRIC ACID (<3%)	7697-37-2	2 PPM	2 PPM
SELENIOS ACID (<3%)	7783-00-3	1 MG/M3	1 MG/M3
COPPER (II) SULFATE	7758-99-8	1 MG/M3	1 MG/M3
<b>ACIDIFIED PEROXIDE</b>			
ACETIC ACID	64-19-7	10 ppm	10 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: 213C	SPECIFIC GRAVITY: 1.034	VAPOR PRESSURE: ND	VAPOR DENSITY: <1
PERCENT VOLATILE (VOL) 95%+	SOLUBILITY (WATER) MISCIBLE	REACTIVITY IN WATER: None	EVAPORATION RATE: LOW
APPEARANCE AND ODOR: ODORLESS , SLIGHT BLUE COLOR			

### SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: Not-combustible	AUTO IGNITION TEMPERATURE N/A	FLAMMABLE LIMITS IN AIR (% by VOLUME) LOWER: N/A                      UPPER:	
EXTINGUISHING MEDIA: NON-FLAMMABLE, USE MEDIA SUITABLE FOR SURROUNDING FIRE			
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE			
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes or skin			

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

**SIGNS & SYMPTOMS OF EXPOSURE**

May cause eye, skin, or respiratory irritation, TOXIC if swallowed,.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

May cause eye, skin, or respiratory irritation, TOXIC if swallowed

**CHEMICAL /COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:**

None

**OTHER EXPOSURE LIMITS:**
**EMERGENCY & FIRST AID PROCEDURES:**

**EYES:** Flush with cool tap water for at least 15 minutes, Hold eyelids open with clean fingers to assist in complete flushing  
**SKIN:** Wash thoroughly with warm water, Discard contaminated clothing  
**RESPIRATORY:** Remove to fresh air, if distress continues, administer oxygen and contact physician`  
**INGESTION:** Wash out mouth with water provided person is conscious, Contact physician and Poison Control Center

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, Incompatible materials

**INCOMPATIBILITY (MATERIALS TO AVOID):**

CYANIDES, WATER-REACTIVE SUBSTANCES, ORGANIC SOLVENTS, OILS, STRONG REDUCING AGENTS

**HAZARDOUS DECOMPOSITION PRODUCTS:**

REACTION WITH ORGANIC SOLVENTS % STRONG REDUCING AGENTS CAN PRODUCE VOLATILE ORGANOSELENIDES / HYDROGEN SELENIDE.

**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. Recover as much liquid as possible and collect in acid-resistant container. Use absorbent to pick up liquid.

**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/MSHA Approved Respirator or self contained breathing apparatus

**VENTILATION:**

Use in a chemical fume hood

**PROTECTIVE GLOVES:**

Chemical resistant rubber gloves

**EYE PROTECTION:**

Suggested to use safety goggles

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

An eye wash fountain and safety shower should be readily available where the potential for 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. Use in chemical fume hood  
 Exercise caution when using.

**TRANSPORTATION**

Limited Quantity Exception- ORM-D

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