

# Material Safety Data Sheet

## "RAM" PREMIX

Rhodamine G / Ardrox / MBD

### 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) "RAM" Premix			CHEMICAL FAMILY: N/A (Chemical mixture)
CHEMICAL NAME: Does Not Apply	FORMULA: Does not apply	TRADE NAME & SYNONYMS:	

### SECTION 2- HAZARDOUS INGREDIENTS

COMPONENT	CAS#	TLV	PEL
METHANOL	67-56-1	260 ppm	260 ppm
ACETONITRILE	75-05-8	40 ppm	40 ppm
2- PROPANOL	67-63-0	500 ppm	400 ppm
HEPTANE	142-82-5	400 ppm	400 ppm
CHLOROFORM	67-66-3	10 ppm	2 ppm
ACETONE	67-64-1	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: 98C (Heptane)	SPECIFIC GRAVITY: 0.684 (Heptane)	VAPOR PRESSURE: 40mm @ 22C (Heptane)	VAPOR DENSITY: 3.4 (Heptane)
PERCENT VOLATILE (VOL) 95%+	SOLUBILITY (WATER) miscible	REACTIVITY IN WATER: None	EVAPORATION RATE: High
APPEARANCE AND ODOR: Red-colored liquid			

### SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: 30F (Heptane)	AUTO IGNITION TEMPERATURE 222C (Heptane)	FLAMMABLE LIMITS IN AIR (% by VOLUME) LOWER: 1.05%      UPPER: 6.7 %	
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, light headedness, ACETONITRILE IS EXTREMELY TOXIC

**2: CHRONIC OVEREXPOSURE:**

Can Cause Death- ACETONITRILE IS EXTREMELY TOXIC

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

May cause eye, skin, or respiratory irritation

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

CHLOROFORM IS A SUSPECTED CARCINOGEN

**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, CONTACT PHYSICIAN

IN ALL CASES 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, Acids, Halogens, Aluminum

**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 or activated charcoal, 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/MSHA Approved Organic Vapor Respirator

**VENTILATION:**

Chemical fume hood and adequate 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. It is suggested that this mixture be applied by flooding, brushing, or dipping- avoid spraying. **HIGHLY FLAMMABLE**

**TRANSPORTATION**

Shipping Name: Heptane Solution Hazard Class: 3 UN# 1206 Packing Group: II Flammable Liquid

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