

# Material Safety Data Sheet

**NINHYDRIN**  
Crystals

## SECTION 1- IDENTITY

NAME Evident Crime Scene Products, Inc.		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) Ninhydrin			CHEMICAL FAMILY: N/A
CHEMICAL NAME: Triketohydrindine Hydrate	FORMULA: C <sub>9</sub> H <sub>6</sub> O <sub>4</sub>	TRADE NAME & SYNONYMS: Triketohydrindine Hydrate, 2,2-Dihydroxy-1,3-indanedione	

## SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS MATERIALS	CAS#	TLV	PEL

CONTAINS NO HAZARDOUS MATERIALS AS DEFINED IN 29 CFR 111910.1200 OR CFR TITLE 49


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: N/A	SPECIFIC GRAVITY: N/A	VAPOR PRESSURE: N/A	VAPOR DENSITY: N/A
PERCENT VOLATILE (VOL) N/A	SOLUBILITY (WATER) Slightly Soluble	REACTIVITY IN WATER: None	EVAPORATION RATE: N/A

APPEARANCE AND ODOR:  
White to yellowish-colored powder

## 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:	
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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 and Crime Scene Supply, Inc. 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

**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, do not induce vomiting

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 temperature

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Strong Oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide and carbon Dioxide 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:**

Eliminate all sources of ignition. Wear protective equipment. For small liquid 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:**

In cases where dusts or powders exist- use NIOSH/MSHA Approved Nuisance Dust 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.

Ninhydrin may stain the skin, mucosa, or other tissues a deep purple color.

**TRANSPORTATION**

NONHAZARDOUS NOT REGULATED

CONTAINS NO HAZARDOUS MATERIALS AS DEFINED IN 29 CFR 11910.1200 OR CFR TITLE 49

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