Material Safety Data Sheet
SYNTHETIC BLOOD

SECTION 1- IDENTITY

NAME
Evident Crime Scene Products, Inc.

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FOR ADDITIONAL INFORMATION CONTACT:
Technical Support

DATE PREPARED:
January 1, 2010

COMMON NAME (USED ON LABEL)
Synthetic Blood

CHEMICAL NAME:
Does Not Apply

FORMULA:
Does not apply

TRADE NAME & SYNONYMS:
N/A (Chemical mixture)

SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT | CAS# | TLV | PEL
---|---|---|---
NONE

Synthetic Blood is a proprietary dilute aqueous mixture containing Hemoglobin, amino acids, protein, and other nonhazardous components. The purpose of this mixture is to provide a blood substitute for the chemical testing for the presence of blood for educational and training purposes.

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:
Approx. 212°F

SPECIFIC GRAVITY:
>1

VAPOR PRESSURE:
UNDETERMINED

VAPOR DENSITY:
UNDETERMINED

PERCENT VOLATILE (VOL)
90%+

SOLUBILITY (WATER)
Miscible

REACTIVITY IN WATER:
None

EVAPORATION RATE:
Low

APPEARANCE AND ODOR:
A reddish-colored fluid

SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT:
Noncombustible

AUTO IGNITION TEMPERATURE:
N/A

FLAMMABLE LIMITS IN AIR (% by VOLUME)
LOWER:
N/A

EXTINGUISHING MEDIA:
N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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, Incorporated 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 gastric, nasal, or skin irritation
2: *CHRONIC OVEREXPOSURE:*
   - None known

**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 and soap
- **RESPIRATORY:**
  - Remove to fresh air, if distress continues, administer oxygen and contact physician
- **INGESTION:**
  - Drink large amounts of water, rinse mouth with 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:**
- Ignition sources, high temperatures

**INCOMPATIBILITY (MATERIALS TO AVOID):**
- None known

**HAZARDOUS DECOMPOSITION PRODUCTS:**
- Toxic Fumes of carbon Monoxide, Carbon Dioxide, and Nitrogen Oxides 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:**
- For small spills, absorb on paper towels or other absorbent material

**WASTE DISPOSAL METHOD:**
- Dispose of wastes in accordance with current Federal, State, and Local codes and guidelines

SECTION 8- PERSONAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:**
- Particulate mask recommended if splashes or spatter is anticipated

**VENTILATION:**
- Room ventilation is expected to be adequate except during spills or fires. However additional ventilation is recommended.

**PROTECTIVE GLOVES:**
- Suggested when contact with skin is possible

**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.

**OTHER PRECAUTIONS:**
- Do not ingest, get in eyes, on skin, or on clothing. Wash thoroughly after handling.

**TRANSPORTATION**
- NONHAZARDOUS
- NOT REGULATED
- CONTAINS NO HAZARDOUS MATERIALS AS DEFINED IN 29 CFR 111910.1200 OR CFR TITLE 49

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