

Material Safety Data Sheet

SYNTHETIC BLOOD

SECTION 1- IDENTITY

NAME Arrowhead Forensics		ADDRESS 14400 College Blvd., Lenexa, KS 66215	
TELEPHONE (913)894-8388	FOR ADDITIONAL INFORMATION CONTACT:		DATE PREPARED: January 1, 2009
COMMON NAME (USED ON LABEL) Synthetic Blood			CHEMICAL FAMILY: N/A (Chemical mixture)
CHEMICAL NAME: Does Not Apply	FORMULA: Does not apply	TRADE NAME & SYNONYMS:	

SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS#	TLV	PEL
CONTAINS NO HAZARDOUS MATERIALS AS DEFINED IN 29 CFR 11910.1200 OR CFR TITLE 49			

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. 212F	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: UPPER:	
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. Arrowhead Forensics & 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 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:
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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