

# Material Safety Data Sheet

## AMIDO BLACK AQUEOUS MIXTURE

### 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) Amido Black- Aqueous Mixture			CHEMICAL FAMILY: N/A
CHEMICAL NAME: Does Not Apply	FORMULA: N/A	TRADE NAME & SYNONYMS: Amido Black	

### SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS#	TLV	PEL
ACETIC ACID	64-19-7	10 ppm	10 ppm
FORMIC ACID	64-18-16	5 ppm	5 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: ~ 100C	SPECIFIC GRAVITY: ~ 1	VAPOR PRESSURE: N/A	VAPOR DENSITY: 1
PERCENT VOLATILE (VOL) > 99%	SOLUBILITY (WATER) Appreciable	REACTIVITY IN WATER: Dissolves	EVAPORATION RATE: Moderate
APPEARANCE AND ODOR: Brown to black-colored Liquid			

### SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: Not Combustible	AUTO IGNITION TEMPERATURE N/A	FLAMMABLE LIMITS IN AIR (% by VOLUME) LOWER: Unk                      UPPER: Unk	
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Appropriate Chemical Foam			
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. 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, Corrosive, Harmful if swallowed, inhaled, or absorbed through skin

### SIGNS & SYMPTOMS OF EXPOSURE

#### 1: ACUTE OVEREXPOSURE:

May cause eye, skin, or respiratory irritation or burns, corrosive

#### 2: CHRONIC OVEREXPOSURE:

May cause eye, skin, or respiratory irritation or burns, corrosive

### 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:** Immediately flush with copious amounts of cool tap water, Assure adequate flushing by separating eyelids with fingers  
**SKIN:** Immediately 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 out mouth, call a physician

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 Heat, Sources of ignition

### INCOMPATIBILITY (MATERIALS TO AVOID):

Strong Oxidizers, Strong Reducers, Bases, acids, Hydroxides, Metals, Metal Anhydrides, Peroxides, Permanganates, Amines, Alcohols

### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Dioxide, And Carbon Monoxide 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:

Wear protective equipment. For small spills, cover with Soda Ash, Dry Lime, Or sand. Place in covered containers and transport outdoors.

### WASTE DISPOSAL METHOD:

Dispose of wastes in accordance with current Federal, State, and Local codes and guidelines.

## SECTION 8- PERSONAL PROTECTION INFORMATION

### RESPIRATORY PROTECTION:

Wear NIOSH/MSHA Approved Organic Vapor Respirator

### VENTILATION:

Use in chemical fume hood or with adequate ventilation

### 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 skin 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. Corrosive.

### TRANSPORTATION

NONHAZARDOUS NOT REGULATED LIMITED QUANTITY EXCEPTION

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