

# A.M.T.S. MATERIAL SAFETY DATA SHEET

REVISED  
1/28/2003

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE  
**SSHXHHE**

TRADE NAME  
**HARRIS HEMATOXYLIN**

PRODUCT DESCRIPTION  
**Histology Stain**

**SUPPLIER: AMERICAN MASTER\*TECH SCIENTIFIC, INC.  
P.O. BOX 2539  
LODI, CA 95241-2539  
(209) 368-4031**

**IN CASE OF EMERGENCY CONTACT INFOTRAC: 800-535-5053 ( 24 HOURS )**

## SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS #</u>	<u>OSHA PEL TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
WATER	7732-18-5	N/E	N/E	N/E	N/E
ETHANOL	64-17-5	1000 PPM	N/E	1000 PPM	N/E
ALUMINUM SULFATE	7784-31-8	N/E	N/E	2 mg/M3	N/E
PROPYLENE GLYCOL	57-55-6	N/E	N/E	N/E	N/E
ACETIC ACID	64-19-7	10 PPM	N/E	10 PPM	15 PPM
HEMATOXYLIN	517-28-2	N/E	N/E	N/E	N/E
SODIUM IODATE	7681-55-2	N/E	N/E	N/E	N/E

**N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED**

**A = ACTION LEVEL**

**C = THRESHOLD LEVEL VALUE, CEILING**

**S = SKIN CONTACT**

**SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE / ODOR**

Dark purple opaque liquid; mild odor.

**SPECIFIC GRAVITY**

N/A

**SOLUBILITY IN WATER**

Soluble

**VAPOR DENSITY**

N/A

**VAPOR PRESSURE**

N/A

**EVAPORATION RATE**

N/A

**MELTING POINT**

N/A

**BOILING POINT**

78°C (Ethanol)

**FLASH POINT**

15.5°C (Ethanol)

**AUTO-IGNITION TEMP**

399°C (Ethanol)

**LOWER EXPLOSIVE LIMIT IN AIR**

3.3% (Ethanol)

**UPPER EXPLOSIVE LIMIT IN AIR**

19.0% (Ethanol)

**SECTION 4: FIRE AND EXPLOSION INFORMATION****WATER SPRAY**

YES

**CARBON DIOXIDE**

YES

**FOAM, ALCOHOL / CHEMICAL**

ALCOHOL

**DRY CHEMICAL**

YES

**OTHER**

N/A

**SPECIAL FIRE FIGHTING PROCEDURES**

Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.).

**UNUSUAL FIRE / EXPLOSION HAZARDS**

Material emits toxic fumes under fire conditions.

**SECTION 5: REACTIVITY AND STABILITY DATA****STABILITY**

Stable

**INCOMPATIBLE MATERIALS**

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Oxides of carbon, oxides of sulfur.

**HAZARDOUS POLYMERIZATION**

Not expected.

**HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID**

None known.

**SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:****SPILL RESPONSE PROCEDURES**

Use personal protection equipment and standard laboratory safety procedures for cleanup. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill with an inert absorbent and place waste in a closed container for disposal. Clean spill area thoroughly with soap and water.

**WASTE DISPOSAL PROCEDURE**

Dispose all waste in accordance with local, state, and federal regulations.

**SECTION 7: HAZARDS IDENTIFICATION:****SYMPTOMS OF ACUTE OVEREXPOSURE****INHALATION**

May cause irritation of the respiratory tract and nasal discomfort, possibly accompanied by coughing.

**CONTACT WITH EYES**

May cause irritation, with excessive tearing, redness, and discomfort.

**CONTACT WITH SKIN**

May cause irritation, with redness, itching, and drying.

**INGESTION**

May cause dizziness, drowsiness, lack of coordination, and abdominal discomfort.

**SYMPTOMS AND HEALTH EFFECTS OF CHRONIC EXPOSURE****INHALATION**

Unknown.

**EYE CONTACT**

Unknown.

**SKIN CONTACT**

Unknown.

**INGESTION**

Unknown.

**FIRST AID MEASURES:****EYE CONTACT**

Remove contact lenses if worn and flush eyes with copious amounts of water or buffered saline eye wash solution. Get immediate medical attention.

**SKIN CONTACT**

Remove contaminated clothing and wash contact area thoroughly with mild soap and plenty of water. Get medical attention if symptoms develop.

**INHALATION**

Remove person to fresh air and treat symptomatically. Get medical attention if symptoms worsen.

**INGESTION**

Get immediate medical attention.

**SECTION 7: HAZARDS IDENTIFICATION, continued****CARCINOGENICITY****NTP**

Not listed.

**IARC**

Not listed.

**OSHA**

Not listed.

**CALIFORNIA PROPOSITION 65 WARNINGS**

Not listed.

**EPCRA SECTION 313 SUPPLIER NOTIFICATION****MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE**

Unknown.

**SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS****HMIS HAZARD CODES****HEALTH HAZARD****1** Minimal: Use standard safety procedures.**FIRE HAZARD****1** Slight: May ignite with difficulty by spark or flame.**REACTIVITY****0** Non-Reactive: Will not react with water or most inert chemicals.**EQUIPMENT****B** Wear chemical apron, gloves, and splash goggles in addition to all standard laboratory safety equipment.**VENTILATION**

Local Dilution Exhaust

**PERSONAL HYGIENE**

Wash hands thoroughly with soap and water before eating or drinking.

**NOTICE TO READER:** American Master\*Tech Scientific Inc. believes the information contained in this Material Safety Data Sheet (MSDS) is current as of the Revision Date, but can not guarantee that the information is all inclusive. Any chemical may pose unknown hazards; if this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. User is responsible for determining appropriate methods of personal protection, handling, use, storage, and disposal of this product. User assumes all liability for any incidental or consequential damage resulting from the use of this product.