

**MATERIAL SAFETY DATA SHEET**

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**PRODUCT IDENTIFICATION**

**PRODUCT:** Mayer's Hematoxylin  
**CATALOG #:** 10-0027, 10-0049

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**HAZARDOUS COMPONENT INFORMATION**

THE PROVIDED INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT CLAIM TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. TRAINED PERSONNEL AND GOOD LABORATORY PRACTICES SHOULD COMPLEMENT USE OF THIS PRODUCT. GENEMED BIOTECHNOLOGIES, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGES RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

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## SECTION 1

### CHEMICAL IDENTIFICATION

NAME: **MAYER'S HEMATOXYLIN**

DATE: **1/01/07**

## SECTION 2

### HAZARDOUS INGREDIENTS

COMPONENT	CAS #
POTASSIUM ALUMINUM SULFATE	7784-24-9
HEMATOXYLIN, (C.I. 75290)	517-28-2
ETHANOL	64-17-5
SODIUM IODATE	7681-55-2
CITRIC ACID	77-92-9

#### NFPA RATINGS:

HEALTH: 2  
FLAMMABILITY: 0  
REACTIVITY: 0

## SECTION 3

### PHYSICAL DATA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1) 1.76  
VAPOR DENSITY (AIR = 1) NA  
SOLUBILITY IN H<sub>2</sub>O = COMPLETE @ 20°C  
PERCENT VOLATILES BY VOLUME = 10%  
VAPOR PRESSURE = NA  
FREEZING POINT = NA  
EVAPORATION RATE = NA  
APPEARANCE – DARK RED-PURPLE LIQUID.  
NO ODOR.

## SECTION 4

### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 132°F, TAG CLOSED CUP ASTM D 56  
(TEST METHODS) 150°F, TAG OPEN CUP ASTM D 1310  
FLAMMABLE LIMITS IN AIR, % BY VOLUME: LOWER= NA UPPER= NA  
EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR  
STANDARD FOAM.  
SPECIAL FIRE FIGHTING PROCEDURES: AS SULFUR OXIDES MAY BE PRESENT AT HIGH  
TEMPERATURES, RESPIRATORY PROTECTION APPROVED BY NIOSH  
UNUSUAL FIRE AND EXPLOSION HAZARDS - CAN EVOLVE TOXIC SO<sub>3</sub> GAS WHEN EXPOSED TO  
HIGH TEMPERATURES (ABOVE 760°C)

## SECTION 5

### REACTIVITY DATA

STABILITY: STABLE  
INCOMPATIBILITY: ALKALIES  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

## SECTION 6

### HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE:  
EYES - MAY CAUSE REDNESS, PAIN, EDEMA OF EYELIDS, CONJUNCTIVITIS AND CORNEAL  
ULCERATION.  
INHALATION - MAY CAUSE COUGH, DYSPNEA, PAIN IN MOUTH AND THROAT.

INGESTION - MAY CAUSE BURNING IN THE MOUTH AND THROAT, VOMITING, LIVER DAMAGE.

SKIN - MAY CAUSE REDNESS, PAIN, AND IRRITATION.

FIRST AID: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGERS DOWN THROAT. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION; PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IN CASE OF EYE OR SKIN CONTACT, IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

#### **SECTION 7 SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR GLOVES AND SOAK UP SPILLED SOLUTION WITH DISPOSABLE TOWELS.

WASTE DISPOSAL METHOD: SMALL SPILLS SHOULD BE FLUSHED WITH LARGE QUANTITIES OF WATER. LARGE SPILLS SHOULD BE COLLECTED FOR DISPOSAL.

WASTE DISPOSAL METHOD: COLLECT IN A BEAKER, DISSOLVE IN LARGE AMOUNT OF WATER AND WASH DOWN DRAIN WITH EXCESS WATER.

#### **SECTION 8 SPECIAL PROTECTION INFORMATION**

VENTILATION: GENERAL (MECHANICAL) ROOM VENTILATION SHOULD BE SUITABLE. SPECIAL LOCAL, VENTILATION SHOULD BE USED AT POINTS WHERE VAPORS ARE EXPECTED TO BE VENTED TO THE WORKPLACE AIR.

PROTECTIVE GLOVES: SOLVENT RESISTANT.

EYE PROTECTION: GOGGLES OR SAFETY GLASSES.

OTHER PROTECTIVE EQUIPMENT: LAB COAT. EYE BATH, SAFETY SHOWER.

#### **SECTION 9 SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

PROTECT UNITS AGAINST PHYSICAL DAMAGE.

OTHER PRECAUTIONS: STORE COOL, DRY AREA. STORE IN TIGHTLY CLOSED CONTAINER. DO NOT INGEST.

**NOTE:** DISPOSAL OF HAZARDOUS MATERIAL MAY BE SUBJECT TO FEDERAL, STATE, OR LOCAL REGULATIONS. THE INFORMATION CONTAINED IN THIS DOCUMENT IS BELIEVED TO BE FACTUAL, HOWEVER, NOTHING PRESENTED HEREIN IS TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH GENEMED BIOTECHNOLOGIES, INC. SHALL BE RESPONSIBLE.