



Date Issued: 11/29/2010  
Supersedes Date: 01/29/2003

## MATERIAL SAFETY DATA SHEET

### Section 1: Chemical Product and Company Identification

Cat#: H-HAMF1P  
Part Name: HARRIS HEMATOXYLIN ACIDIFIED (MERCURY FREE)  
Supplier: Triangle Biomedical Sciences, Inc. (TBS)  
3014 Croasdaile Drive  
Durham, NC 27705  
Phone: 919-384-9393

Emergency Notification: ChemTel Inc. 1-888-255-3924 International +01-813-248-0585

### Section 2: Composition/ Information on Ingredients

Item#	Name	CAS#	fraction in product
1	Acetic acid	000064197	0.03
2	Aluminum ammonium sulfate dodecahydrate	007784261	0.08
3	Ethyl alcohol	000064175	0.03
4	Hematoxylin	000517282	0.004
5	Sodium iodate	007681552	0.0003
6	Water	007732185	0.85

OSHA (ACGIH) Exposure Limits						
TWA						
	ppm	mg/m	STEL	CEILING	ppm	mg/m3
CAS#:	000064175	IDLH: --				
	OS Not	--	--	--	--	--
	ACGIH 1000	1884	--	--	--	--
CAS#:	000064197	IDLH: 50				
	OS Not	25	--	--	--	--
	ACGIH 10	25	15	15	--	--
CAS#:	000517282	IDLH: NE				
	OS NE	NE	NE	NE	NE	NE
	ACGIH NE	NE	NE	NE	NE	NE
CAS#:	007681552	IDLH: NE				
	OS NE	NE	NE	NE	NE	NE
	ACGIH NE	NE	NE	NE	NE	NE
CAS#:	007732185	IDLH: NE				
	OS NE	NE	NE	NE	NE	NE
	ACGIH NE	NE	NE	NE	NE	NE
CAS#:	007784261	IDLH: NE				
	OS NE	NE	NE	NE	NE	NE
	ACGIH NE	NE	NE	NE	NE	NE

### Section 3: Hazards Identification

Low hazard for usual industrial or commercial handling.

Hazard Ratings:

These ratings are TBS' own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
1	0	0

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

**Section 4: First Aid Measures**

Contact medical personnel.  
Flush eyes with flowing water for at least 15 minutes.  
If swallowed, wash out mouth with water if person is conscious.  
Separate eyelids with finger tips.  
Wash skin with deluge of water for at least 15 minutes.

**Section 5: Fire Fighting Measures**

Flash point, deg F.: >200 Method: nap  
UEL: no data LEL: no data Autoignition temperature, deg. F.: no data  
Flammability Classification: no data Flame Propagation Rate: no data  
Hazardous Combustion Products: no data

**Section 6: Accidental Release Measures**

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.  
No special measures are indicated.

**Section 7: Handling and Storage**

Store at 25 deg. C.

**Section 8: Exposure Controls/ Personal Protection**

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.  
No special protection is indicated.

**Section 9: Physical and Chemical Properties**

Formula: mixture vapor pressure: no data  
Formula Weight: nap vapor density: no data  
boiling point: 212 Specific gravity: 1.03  
melting point: 32 ph: 6  
solubility: miscible appearance: red liquid

**Section 10: Stability and Reactivity**

Chemical Stability: stable  
Conditions to Avoid: no data  
Incompatibility with other materials: no data  
Hazardous Decomposition Products: no data  
Hazardous Polymerization: will not occur

**Section 11: Toxicological Information**

Acute Data: no data  
Subchronic data: no data

**Section 12: Ecological Information**

no data

**Section 13: Disposal Considerations**

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NNR = not normally required

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

<b>CAS#</b>	<b>Waste Code</b>	<b>Regulated Name</b>
000064175	not listed	not listed
000064197	not listed	not listed
000517282	not listed	not listed
007681552	not listed	not listed
007732185	not listed	not listed
007784261	not listed	not listed

**Section 14: Transportation Data**

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

**Section 15: Regulatory Information**

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer.

Column B identified items which are known to the State of California to cause reproductive toxicity.

<b>CAS#</b>	<b>Column A</b>	<b>Column B</b>
000064175	no	no
000064197	no	no
000517282	no	no
007681552	no	no
007732185	no	no
007784261	no	no

State Regulatory Information: If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

<b>CAS#</b>					
000064175	FL	ma	MN	PA	WA
000064197	FL	ma	MN	PA	WA
000517282	not listed				
007681552	not listed				
007732185	not listed				
007784261	not listed				

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

<b>CAS#</b>	<b>Regulated name</b>	<b>de minimis conc. %</b>	<b>Rep. Thres.</b>
000064175	not listed	not listed	not listed
000064197	not listed	not listed	not listed
000517282	not listed	not listed	not listed
007681552	not listed	not listed	not listed
007732185	not listed	not listed	not listed
007784261	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

NA = not applicable

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NE = not established

NNR = not normally required

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

<b>CAS#</b>	<b>Regulated name</b>	<b>TPQ (pounds)</b>		<b>EHS-RQ(pounds)</b>
000064175	not listed	not listed	not listed	
000064197	not listed	not listed	not listed	
000517282	not listed	not listed	not listed	
007681552	not listed	not listed	not listed	
007732185	not listed	not listed	not listed	
007784261	not listed	ot listed	not listed	

**CERCLA**

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

<b>CAS#</b>	<b>Regulated name</b>	<b>RQ (pounds)</b>
000064175	Not listed	Not listed
000064197	Not listed	Not listed
000517282	Not listed	Not listed
007681552	Not listed	Not listed
007732185	Not listed	Not listed
007784261	Not listed	Not listed

**Section 16: Other Information**

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**END OF MSDS**

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NE = not established

NNR = not normally required