



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

## MATERIAL SAFETY DATA SHEET

### Section 1: Chemical Product and Company Identification

Cat#: H-G31L  
Part Name: GILL'S HEMATOXYLIN #3 FOR HISTOLOGY  
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	0.06
2	Aluminum sulfate	010043013	0.05
3	Ethylene glycol	000107211	0.26
4	Hematoxylin	000517282	0.005
5	Sodium iodate	007681552	0.0005
6	Water	007732185	0.64

#### OSHA (ACGIH) Exposure Limits

CAS#	Name	TWA		STEL	CEILING		
		ppm	mg/m	ppm	mg/m3	ppm	mg/m3
000064197	OS	Not	25	50	--	--	--
000107211	ACGIH	10	25	15	15	--	--
000517282	OS	Not	--	--	--	--	--
000517282	ACGIH	--	--	--	--	39.4	127
000517282	OS	NE	NE	NE	NE	NE	NE
000517282	ACGIH	NE	NE	NE	NE	NE	NE
007681552	OS	NE	NE	NE	NE	NE	NE
007681552	ACGIH	NE	NE	NE	NE	NE	NE
007732185	OS	NE	NE	NE	NE	NE	NE
007732185	ACGIH	NE	NE	NE	NE	NE	NE
010043013	OS	NE	NE	NE	NE	NE	NE
010043013	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
0	0	0

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

**Section 4: First Aid Measures**

Flush eyes with flowing water for at least 15 minutes.  
 If swallowed, induce vomiting as directed by medical personnel.  
 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:  
 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:	no data	ph:	5
solubility:	miscible	appearance:	red colored liquid

**Section 10: Stability and Reactivity**

Chemical Stability: stable  
 Conditions to Avoid: none  
 Incompatibility with other materials: none  
 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

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**Section 13: Disposal Considerations**

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>
000064197	not listed	not listed
000107211	not listed	not listed
000517282	not listed	not listed
007681552	not listed	not listed
007732185	not listed	not listed
010043013	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>
000064197	no	no
000107211	no	no
000517282	no	no
007681552	no	no
007732185	no	no
010043013	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>	<b>FL</b>	<b>ma</b>	<b>MN</b>	<b>PA</b>	<b>WA</b>
000064197	FL	ma	MN	PA	WA
000107211	FL	ma	MN	PA	WA
000517282	not listed				
007681552	not listed				
007732185	not listed				
010043013	ma	PA			

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>
000064197	not listed	not listed	not listed
000107211	not listed	not listed	not listed
000107211	Ethylene glycol	1.0	Standard
000517282	not listed	not listed	not listed
007681552	not listed	not listed	not listed
007732185	not listed	not listed	not listed
010043013	not listed	not listed	not listed

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**SARA Extremely Hazardous Substances and TPQs**

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>
000064197	not listed	not listed	not listed
000107211	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
010043013	not listed	not 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>
000064197	Not listed	Not listed
000107211	Not listed	Not listed
000517282	Not listed	Not listed
007681552	Not listed	Not listed
007732185	Not listed	Not listed
010043013	Not listed	Not listed

**Section 16: Other Information**

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**END OF MSDS**

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