

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Hematoxylin Stain, Modified Harris Formulation (Mercury Free)

**SYNONYMS:** Hematoxylin Solution, Harris Modified; Modified Harris Hematoxylin

**CATALOG CODES:** VHM

**MANUFACTURER:** Volu-Sol

**ADDRESS:** 5095 West 2100 South  
Salt Lake City, UT 84120

**EMERGENCY PHONE:** (800) 535-5053

**OTHER CALLS:** (801) 974-9474

**FAX:** (801) 974-9553

**CHEMICAL FAMILY:** -

**CHEMICAL FORMULA:** -

**PREPARED BY:** Volu-Sol

**RECOMMENDED USE:** Laboratory chemical, manufacture of substances


**RESTRICTIONS ON USE:** Use as recommended

## SECTION 2: HAZARD(S) IDENTIFICATION

**EMERGENCY OVERVIEW:**

**GHS Classification:** Acute Toxicity, Oral (Category 5)  
Specific Target Organ Toxicity (Category 2)  
Repeated Exposure - Kidney

**GHS LABEL ELEMENTS:**

**Pictogram:** 

**Signal Word:** Warning

**Hazard Statement(s):**

H303 May be harmful if swallowed

H373 May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed

**Precautionary Statement(s):**

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray

P312 Call a POISON CENTER/doctor/physician if you feel unwell

P314 Get medical advice/attention if you feel unwell

P501 Dispose of contents/container to an approved waste disposal plant

**OTHER HAZARDS:** -

**HMIS Classification:**

**Health hazard:** 1

**Chronic health hazard:** -

**Flammability:** 0

**Physical hazards:** 0

**NFPA Rating:**

**Health hazard:** 1

**Fire:** 0

**Reactivity Hazard:** 0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
Aluminium potassium bis(sulphate) (<10%)	7784-24-9 233-141-3
Ethylene glycol (5-9%)	107-21-1 203-473-3 603-027-00-1

## SECTION 4: FIRST AID MEASURES

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**SKIN:** Wash off with soap and plenty of water. Consult a physician

**EYE:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR:** Percentage by Volume  
Upper: -%  
Lower: -%

**FLASH POINT:** -

**AUTOIGNITION TEMPERATURE:** -

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**FIRE FIGHTING PROCEDURES:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode

**FIRE AND EXPLOSION HAZARDS:** -

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Hygroscopic

**INCOMPATIBILITIES:** Strong acids, strong oxidizing agents, strong bases

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS:** Reported in a time-weighted average (TWA)

Component	CAS-No.	Reference	OSHA		ACGIH	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Aluminium potassium bis(sulphate)	7784-24-9		0.1 PEL	2 PEL		
Ethylene glycol	107-21-1				39 TLV	100 TLV

**PERSONAL RESPIRATORS:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

**EYE PROTECTION:** Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** liquid

**ODOR:** -

**SOLUBILITY:** -

**pH:** -

**BOILING POINT:** -

**MELTING POINT:** -

**VAPOR PRESSURE:** -

**SPECIFIC GRAVITY:** -

**MOLECULAR WEIGHT:** -

**DENSITY:** -

**VISCOSITY:** -

REFRACTIVE INDEX: -

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**SECTION 10: STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY:** Stable under recommended conditions of use and storage

**CONDITIONS TO AVOID:** -

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No data available

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**TOXICOLOGICAL INFORMATION:**

**Acute Toxicity:** No data available  
**Skin/Eye Irritation:** No data available  
**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

**ROUTES OF ENTRY:** -

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:**

**Toxicity:** No data available  
**Persistence and degradability:** No data available  
**Mobility in soil:** No data available  
**PBT/vPvB Results:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

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**SECTION 14: TRANSPORT INFORMATION**

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US DOT	IATA	TDG	IMDG/IMO
Not dangerous goods			

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**SECTION 15: REGULATORY INFORMATION**

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<b>SARA 302</b>	-
<b>SARA 313</b>	107-21-1
<b>SARA 311/312 Hazards</b>	Acute Health Hazard, Chronic Health Hazard
<b>State</b>	Right to know lists: MA: 107-21-1 PA: 7784-24-9, 107-21-1, 7732-18-5 NJ: 7784-24-9, 107-21-1, 7732-18-5 California Prop. 65 Components: -

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**SECTION 16: OTHER INFORMATION**

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