

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Hematoxylin Stain, Mayer's (Lillie's Modification)		
SYNONYMS:	Hematoxylin	Solution,	Mayer's (Lillie's Modification)
CATALOG CODES:	VMH		
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:	Flammable Liquids	(Category 4)
	Skin Irritation	(Category 2)
	Eye Irritation	(Category 2B)

GHS LABEL ELEMENTS:

Pictogram:	
Signal Word:	Warning
Hazard Statement(s):	
H227	Combustible liquid
H315	Causes skin irritation
H320	Causes eye irritation
Precautionary Statement(s):	
P210	Keep away from flames and hot surfaces. No smoking
P264	Wash skin thoroughly after handling
P280	Wear protective gloves/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P321	Specific treatment (see supplemental first aid information on this label)
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P403+P235	Store in a well-ventilated place. Keep cool
P501	Dispose of contents/container to an approved waste disposal plant

OTHER HAZARDS: -

HMIS Classification:

Health hazard:	1
Chronic health hazard:	-
Flammability:	1
Physical hazards:	0

NFPA Rating:

Health hazard:	1
Fire:	1
Reactivity Hazard:	0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
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Glycerol (<30%)	56-81-5 200-289-5
Acetic Acid (<3%)	64-19-7 200-580-7 607-002-00-6

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: Take off contaminated clothing and shoes immediately. 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. Continue rinsing eyes during transport to hospital

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. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations, dispose of as hazardous waste. Keep in suitable, closed containers for disposal

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid inhalation of vapour or mist. Keep away from sources of ignition, No smoking. Take measures to prevent the buildup of electrostatic charge. 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. Storage class (TRGS 510): Combustible liquids

INCOMPATIBILITIES: Oxidizing agents, soluble carbonates and phosphates, hydroxides, metals, peroxides

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Component	CAS-No.	Reference	OSHA		ACGIH	
			ppm	mg/m ³	ppm	mg/m ³
Glycerol	56-81-5		1.3 PEL	5 PEL	2.7 TLV	10 TLV
Acetic Acid	64-19-7		10 PEL	25 PEL	10 TLV	25 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: -

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended conditions of use and storage

CONDITIONS TO AVOID: Heat, flames and sparks

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

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: -

SECTION 12: ECOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION

US DOT	IATA	TDG	IMDG/IMO
Not dangerous goods			

SECTION 15: REGULATORY INFORMATION

SARA 302	-
SARA 313	-
SARA 311/312 Hazards	Chronic Health Hazard
State	Right to know lists: MA: 56-81-5, 64-19-7 PA: 7732-18-5, 7784-24-9, 56-81-5, 64-19-7 NJ: 7732-18-5, 7784-24-9, 56-81-5, 64-19-7 California Prop. 65 Components: -

SECTION 16: OTHER INFORMATION

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