

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Gill's Hematoxylin II (Double Strength)
SYNONYMS: Hematoxylin Solution, Gill No. 2
CATALOG CODES: VBH
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


RESTRICTIONS ON USE: Use as recommended

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

GHS Classification: Acute Toxicity, Oral (Category 5)
 Skin irritation (Category 3)
 Serious eye irritation (Category 2A)
 Specific target organ toxicity (Category 2)
 Repeated Exposure - Oral

GHS LABEL ELEMENTS:

Pictogram: 
Signal Word: Warning
Hazard Statement(s):
 H303 May be harmful if swallowed
 H316 Causes mild skin irritation
 H319 Causes serious eye irritation
 H373 May cause damage to organs through prolonged or repeated exposure
Precautionary Statement(s):
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray
 P264 Wash skin thoroughly after handling
 P270 Do not eat, drink or smoke when using this product
 P280 Wear protective gloves/ eye protection/ face protection
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 Call a POISON CENTER/doctor/physician if you feel unwell
 P314 Get medical advice/attention if you feel unwell
 P332+P313 If skin irritation occurs: Get medical advice/attention
 P337+P313 If eye irritation persists: Get medical advice/attention
 P501 Dispose of contents/container to an approved waste disposal plant

OTHER HAZARDS: -

HMIS Classification:

Health hazard: 2
Chronic health hazard: -
Flammability: 0
Physical hazards: 0

NFPA Rating:

Health hazard: 2
Fire: 0
Reactivity Hazard: 0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
Ethylene glycol (10-30%)	107-21-1 203-473-3 603-027-00-1
Acetic acid (<6%)	64-19-7 200-580-7 607-002-00-6
Aluminum sulphate hydrate (<6%)	17927-65-0 233-135-0

SECTION 4: FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician

INGESTION: If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

SKIN: Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes, wash before reuse. Consult a physician

EYE: Immediately flush eyes with plenty of water for at least 15 minutes. 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: Use water spray to cool unopened containers

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. 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

INCOMPATIBILITIES: Strong oxidizing agents

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Component	CAS-No.	OSHA		ACGIH	
		ppm	mg/m ³	ppm	mg/m ³
Ethylene glycol	107-21-1				100 TLV
Acetic acid	64-19-7	10 PEL	25 PEL	10 TLV	25 TLV

Aluminum sulphate hydrate	17927-65-0	2 PEL		
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VENTILATION SYSTEM: Local and/or general exhaust is recommended to keep exposure below limits. Local exhaust ventilation is preferred for control of the emissions at its source, preventing dispersion into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, for details

PERSONAL RESPIRATORS: If exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapour respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier; whichever is lowest. A full-face piece organic vapour respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face, positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres

SKIN PROTECTION: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Use proper glove removal technique to avoid skin contact with this product. Wash and dry hands

EYE PROTECTION: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area

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: -

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:	Inhalation/Ingestion/Skin

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. 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. Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION

US DOT	IATA	IMDG/IMO
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Not dangerous goods

SECTION 15: REGULATORY INFORMATION

SARA 302	-
SARA 313	107-21-1
SARA 311/312 Hazards	Acute Health Hazard, Chronic Health Hazard
State	Right to know lists: MA: 107-21-1, 64-19-7, 17927-65-0 PA: 7732-18-5, 107-21-1, 64-19-7, 17927-65-0 NJ: 7732-18-5, 107-21-1, 64-19-7, 17927-65-0 California Prop. 65 Components:

SECTION 16: OTHER INFORMATION

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