



Material Safety Data Sheet

Revision Date: 07-10-2026

Kit Name: VitroView™ Carazzi Hematoxylin Solution

SKU #: VB-3050C

Components:

VB-3050C	Carazzi Hematoxylin Solution
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VB-3050C Carazzi Hematoxylin Solution MSDS

1. Identification of the Substance/Mixture and Company

Product Name	Carazzi Hematoxylin Solution
SKU#	VB-3050C
Product Description	Kit Component
Manufacturer/Supplier	VitroVivo Biotech, LLC. 405 E Gude Dr., Suite 214, Rockville, MD 20850
Tel and Fax Number	Phone: 301-500-0499; Toll free: 1-800-260-9817; Fax: 844-248-6208

2. Hazards Identification

GHS Classifications

Health Hazards

H303 Acute Oral Toxicity: 5

H316 Skin Corrosion/ Skin Irritation: 3

H320 Eye Damage/ Irritation: 2B

Physical Hazards

Not Classified

Environmental Hazards

Acute Aquatic Environmental Hazards: Not Classified

Chronic Environmental Hazards: Not Classified

Pictograms or Hazard Symbols and Hazard Statement.

Precautionary Statement Prevention

H303 P312 Call a physician if you feel unwell.

H316

P313- If skin irritation occurs: Get medical advice/attention.

H320

P264 Wash thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

3. Composition

CAS#	Chemical Name:
517-28-2	Hematoxylin
7784-25-0	Ammonium Alum
7681-55-2	Sodium Iodate
7732-18-5	water

4. First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

5. Firefighting Measures

NFPA

HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes. Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A Auto ignition

Temperature: N/A

Explosion Limits: N/A Upper: N/A

NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0

6. Accidental Release Measures

Procedure(s) of Personal Precaution(s): Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

7. Handling and Storage

Handling

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

9. Physical and Chemical Properties

Physical State: Liquid

Appearance: Brown

pH: N/A.

Vapor Pressure: 2.3 kPa @ 20deg. C

Vapor Density: 0.62 (Air=1)

Evaporation Rate: N/A Viscosity: N/A Boiling Point: 100 deg. C

10 Stability and Reactivity

Chemical Stability: Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

Hazardous Decomposition Products: not known

Hazardous Polymerization: Will not occur.

11. Toxicology Information

Routes of exposure:

Multiple routes: May cause irritation, May be harmful by ingestion, or skin absorption. CAS#

517-28-2: No information available.

Solution Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7784-26-1: No information available.

Solution Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 517-28-2: No information available.

Solution Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

12. Ecological Information

Ecotoxicity:

CAS# 517-28-2: No information available.

7784-26-1: No information available.

CAS# 7681-55-2: No information available.

Solution Carcinogenicity: No information available

13. Disposal Considerations

Appropriate method of disposal of substance or preparation:

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility.

14. Transport Information

DOT Non-Regulated

15. Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European/International Regulations European Labeling in Accordance with EC Directives

Risk Phrases: R36/38 Irritating to eyes and skin

Safety Phrases:

S3/7/9 Keep container closed in a cool, well-ventilated place

S24/25 Avoid contact with skin and eyes

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 After contact with skin, wash immediately with plenty of soap and water

S37/39 Wear suitable gloves and eye/face protection

16. Other Information

This information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of the material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

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