



MATERIAL SAFETY DATA SHEET (MSDS)

Kit Name: VitroView™ Gill Hematoxylin I Solution
SKU #: VB-3050G1

Revision Date: 07-10-2026

Components:

VB-3050G1	Gill Hematoxylin I Solution
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VB-3050G1 Gill Hematoxylin I Solution (MSDS)

1. Identification of the Substance/Mixture and Company

Identification of the substance or mixture

Product Name Gill Hematoxylin I Solution
Product number VB-3050G1
Product Description Kit Component

Manufacturer/Supplier

VitroVivo Biotech, LLC 405 E Gude Dr. Suite 214, Rockville, MD 20850
Phone: 301-500-0499 Toll free: 1-800-260-9817 Fax: 844-248-6208

2. Composition/Information on Ingredients

Composition:

Name	CAS #
Hematoxylin	517-28-2
Sodium Iodate	7681-55-2
Aluminum Ammonium Sulfate	7784-26-1
Acetic Acid	64-19-7
Water	7732-18-5

3. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

Hazard statement(s)

H302 Harmful if swallowed.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Rinse mouth.

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

Hazards not otherwise classified (HNOC) or not covered by GHS - none

4. First Aid Measures

Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled, move the person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact, wash off with soap and plenty of water. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed No data available

5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special hazards arising from the substance or mixture: No data available

Advice for firefighters: Wear a self-contained breathing apparatus when necessary.

Further information No data available

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection, see section 8.

Environmental precautions: Do not let the product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections. For disposal, see section 13.

7. Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

For precautions, see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep the container tightly closed in a dry and well-ventilated place.

Air and light sensitive.

Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated

8. Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

Exposure controls

Appropriate engineering controls should be handled in accordance with good industrial hygiene and safety practice. Wash your hands before breaks and at the end of the workday.

Personal protective equipment

Eye/face protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards, such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the 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 your hands.

Body Protection

For a complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment indicates air-purifying respirators are appropriate, use a full-face respirator with a multipurpose combination (US) or type ABEK (EN 14387) respirator cartridge 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).

Control of environmental exposure: Do not let product enter drains.

9. Physical and Chemical Properties

General information

Form	Liquid
Appearance	N/A
Odor	N/A
Odor Threshold	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Oxidizing properties	N/A

Water solubility	N/A
Upper explosion limit	N/A
Lower explosion limit	N/A
Vapor Pressure	N/A
Vapor density	N/A
Viscosity	N/A
pH value	N/A
Boiling point / boiling range °C	N/A
Melting point / melting range °C	N/A
flash point °C	N/A
Autoignition Temperature °C	N/A

10. Stability and Reactivity

Reactivity:	N/A
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	N/A
Conditions to avoid:	N/A
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	Formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Hydrogen Chloride gas, Aluminum oxide
Other decomposition products	N/A

11. Toxicology Information

Information on toxicological effects

Acute toxicity

No toxicology information is available.

Potential Health Effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

12. Ecological Information

Toxicity:	N/A
Persistence and degradability:	N/A
Bioaccumulative potential:	N/A
Mobility in soil:	N/A
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects:	N/A

13. Disposal compositions

Dispose of contents/containers in accordance with local regulations.

14. Transport information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

15. Regulatory information

DOT Not regulated

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contain all the information required by CPR.

16. Other information

This information contained herein is believed to be accurate but is not guaranteed 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, vendors assume 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 European sur le transport des marchandises danger uses 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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