

1. PRODUCT IDENTIFICATION

Product Name: QC HGB Hemoglobin Control **Relevant identified uses:** Quality control testing of *in-vitro* diagnostic test systems

Catalog Number: QC HGB, QC HGB-1, QC HGB-2, QC HGB-3

Supplier: Bionostics, Inc., dba RNA Medical **Emergency number:** +1.978.772.9070
7 Jackson Road
Devens, MA 01434-4026 USA

2. HAZARDS IDENTIFICATION

Primary routes of exposure: Ingestion, skin and/or eye contact

Inhalation: Inhalation of mists or sprays of these components may irritate the nose, throat and lungs. Symptoms are generally alleviated upon breathing fresh air.

Ingestion: Ingestion of this product, especially in large quantities, may cause nausea or vomiting.

Skin contact: Skin contact may cause irritation.

Eye contact: Contact with eyes may cause irritation.

Chronic exposure: N/A

Medical conditions aggravated by exposure: None known

Additional information: None



3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS Number	% W/V	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL
No hazardous components > 1%, ≥ 0.1% carcinogen	NONE	N/A	N/A	N/A	N/A	N/A

4. FIRST AID MEASURES

Inhalation: If breathing becomes difficult, remove victim to fresh air. Seek medical attention.

Skin contact: Rinse with plenty of water. If skin irritation persists, seek medical attention.

Ingestion: Seek medical attention. Do not induce vomiting without medical advice.

Eye contact: Immediately flush with plenty of water and seek medical attention.

Notes to physician: None determined

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use fire extinguishing media appropriate for site conditions.

Special hazards from the substance: None known

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment. Evacuate personnel to safe areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering sanitary drains.

Methods for cleaning up: Never return spills to original containers for re-use. Use an absorbent material to contain/pick up the spilled solution. Place all contaminated disposables into a suitable container, seal, label and hold for disposal.

7. HANDLING AND STORAGE

Handling: Protect from contamination. Wear personal protective equipment. This product contains human based components that have been tested and determined negative for antibodies to HIV1, HIV2, Hepatitis B (HBsAg) and Hepatitis C (HCV) virus. Because no test method can offer complete assurance that these or other infectious agents are absent, it is advised that this product be handled with the same precautions required for

Storage: a potentially infectious material.
Store bottles as directed in the package insert.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Respiratory protection is not required under normal use of this product.
Hand protection: Wear appropriate protective gloves to prevent skin contact.
Skin and body protection: Wear appropriate body protection to prevent skin contact.
Eye protection: Wear appropriate eye protection to prevent eye contact.
Hygiene measures: Avoid contact with eyes, skin and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red to dark brown

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Polymerization: NA
Hazardous decomposition products: Thermal decomposition may emit carbon oxides.
Conditions to avoid: Excess heat, flame or pressure.

11. TOXICOLOGICAL INFORMATION

CHEMICAL NAME	% W/V	NTP Carcinogen		IARC	OSHA
		Known	Anticipated		
N/A					

12. ECOLOGICAL INFORMATION

Bioaccumulation: Not determined
Aquatic toxicity: No data is available on the product itself.
Ecotoxicity effects: No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate local, Federal and State regulations.

14. TRANSPORTATION INFORMATION

Is this product hazardous to ship? Yes No

DOT

Proper shipping name:	none		
UN Number: N/A	Hazard class: N/A	Subsidiary risk: N/A	Packing group: N/A

ICAO/IATA

Proper shipping name:	none		
UN Number: N/A	Hazard class: N/A	Subsidiary risk: N/A	Packing group: N/A

15. REGULATORY INFORMATION

U.S. Regulations:

U.S. CERCLA/SARA/TSCA Regulatory Information: The following chemicals are listed under the following CERCLA/SARA Lists. This product is regulated by the Food and Drug Administration; it is exempt from the requirements of TSCA: N/A

U.S. Clean Water Act (CWA) California Proposition 65: The following chemicals are listed under the CWA and/or California Proposition 65: N/A

E.U. Regulations:

E.C. Nr. 1907/2006 REACH: The following chemicals are listed in the Candidate List of Substances of Very High Concern: N/A

Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulation Yes No

16. OTHER INFORMATION

DISCLAIMER

The information, data and recommendations contained herein are based upon information believed by Bionostics, Inc., after reasonable investigation and research, to be accurate; however, Bionostics does not warrant the accuracy of this information. All materials and mixtures may present unknown hazards and should be used with caution. When necessary or appropriate, independent opinions regarding the risk of handling or exposure should be obtained from trained professionals. Bionostics disclaims any warranty against patent infringement and the implied warranties of merchantability and fitness for a particular purpose. Customer's sole and exclusive remedy shall be replacement of the product or return of the product and refund of the purchase price, at Bionostics' option. In no case shall Bionostics be liable for incidental or consequential damages, including lost profits.