

# Material Safety Data Sheet

According to 93/112/EC

## Section 1: Chemical Product and Company Identification

<b>Product Name:</b>	QC HGB Hemoglobin Control	<b>Catalog No:</b>	QC HGB, QC HGB-1, QC HGB-2, QC HGB-3	<b>BIOMSDS-080</b>
		<b>Issue Date:</b>	June, 2011	<b>MSDS Rev. C</b>
<b>Importer</b>		<b>Manufacturer</b>		
<b>Name:</b>		<b>Name:</b>	RNA Medical, Division of Bionostics, Inc.	
<b>Address:</b>		<b>Address:</b>	7 Jackson Road Devens, Massachusetts USA 01434-4026	
<b>Telephone:</b>		<b>Telephone:</b>	978-772-9070	800-533-6162
<b>Fax:</b>		<b>Fax:</b>	978-772-9071	
<b>Product Use:</b>	QC HGB contains a solution of unfixed stabilized human erythrocytes and preservatives.			
<b>Labeling Text</b>	N/A	<b>Danger Symbol(s)</b>	Biological Risk on primary package	
<b>Shipping Name</b>	N/A	<b>IATA</b>	Not Known	

## Section 2: Composition / Information on Ingredients

<b>Chemical Family:</b>	Hemoglobin control solution	<b>Chemical Name:</b>	N/A
<b>Component:</b>	Not Known	<b>Concentration Ranges:</b>	Not Known
<b>CAS Number:</b>	Not Known	<b>EEE Symbol / Risk Phrases:</b>	Not Known

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 a potentially infectious material.

## Section 3: Hazards Identification

<b>Eye Contact</b>	May cause irritation if in contact with eye.
<b>Skin Contact</b>	Skin contact may cause irritation.
<b>Ingestion</b>	Though not a likely route of occupational exposure, ingestion of this product may cause choking, vomiting or nausea.
<b>Inhalation</b>	N/A
<b>Chronic Exposure</b>	N/A

## Section 4: First Aid Measures

<b>Eye Contact</b>	Although no adverse health reactions are expected from the normal use of this product, it is recommended flush eyes with water and seek medical advice whenever there has been a potential injury to the eye.
<b>Skin Contact</b>	If contact with this product leads to reddening, inflammation, or irritation, flush the exposed area with running water. If irritation persists, get medical attention.
<b>Ingestion</b>	As a precaution, get medical attention if there has been ingestion of this product.
<b>Inhalation</b>	If breathing becomes difficult, remove victim to fresh air. Get medical attention
<b>Chronic Exposure</b>	N/A

## Section 5: Firefighting Measures

<b>Autoflammability</b>	Not Known		
<b>Flash Point (test method)</b>	Not Known		
<b>Extinguishing Media</b>	Not Known		
<b>Special Firefighting Procedures</b>	Not Known		
<b>Fire and Explosion Hazards</b>	Not Known		
<b>Hazardous Combustion Products</b>	Not Known		
<b>Upper Explosion Limit (%)</b>	Not Known	<b>Lower Explosion Limit (%)</b>	Not Known

## Section 6: Accidental Release Measures

<b>Spill and Leak Procedures</b>	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.
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## Section 7: Handling and Storage

<b>Storage Temperature</b>	Store bottles as directed in the package insert.
<b>Handling / Storage</b>	Handle and store bottles as directed in the package insert.
<b>Ventilation Requirements</b>	No special requirements
<b>Sensitivity to Static Electricity</b>	Not Known
<b>Sensitivity to Mechanical Impact</b>	Not Known

## Section 8: Exposure Controls / Personal Protection

<b>Respiratory Protection</b>	Respiratory protection is not required under normal use of this product.
<b>Ventilation</b>	Supplemental ventilation is not required for the normal use of this product.
<b>Protective gloves</b>	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.

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Other Protective Equipment	Wear appropriate eye protection to prevent eye contact. Wear appropriate body protection to prevent skin contact.
Other Engineering controls	Eye wash stations and deluge showers.
Work Practices	Good laboratory technique should be used when handling this product. Observe appropriate chemical hygiene. Do not place in mouth.
Hygienic Practices	Do not eat, drink, or smoke while working with this product. Upon completion of work activities involving this product, wash hands thoroughly with soap and water.

### Section 9: Physical and Chemical Properties

Pure substance or preparation	Preparation	Physical Form	Liquid
Appearance / Odor	Red to dark brown	pH AS is	Not Known
Odor threshold	Not Known	Boiling point (760 mmHg)	Not Known
Melting / Freezing point	Not Known	Solubility in Water	Not Known
Partition coefficient	Not Known	Relative density	Not Known
Evaporation rate	Not Known	Vapor pressure (mmHg)	Not Known
Vapor density (air = 1)	Not Known	Viscosity	Not Known
Volatiles	Not Known	Volatile Organic Compounds	Not Known
Autoflammability	Not Known	Flash point	Not Known
Oxidizing properties	Not Known		

### Section 10: Chemical Properties and By Products

Stability	Not Known
Materials to avoid	Not Known
Hazardous decomposition products	Not Known

### Section 11: Toxicological Information

Route of Entry	Ingestion, skin and/or eye contact.
Effects of chronic exposure	Not Known
Special health effects	Not Known
Cancer Lists	Not Known
Ingredient	Not Known

### Section 12: Ecological Information

Potential effect on environment	Not Known	Potential to bioaccumulate	Not Known
Mobility	Not Known	Ecotoxicity	Not Known
Persistence and degradability	Not Known	Aqua toxicity	Not Known

### Section 13: Disposal Considerations

Waste disposal	Please consult local, state and federal regulations for additional guidance on disposal.
Empty container warnings	Please consult local, state and federal regulations for additional guidance on disposal.

### Section 14: Transport Information

ADR / RID	N/A	CEPIC Tremcard number	Not Known
Hazchem code	Not Known	Kemmler code	Not Known
IMDG classification	N/A	IATA classification	N/A
Marine Pollutant	Not Known	UN number (S.I.N)	Not Known
UN class	Not Known	UN packing group	Not Known

### Section 15: Regulatory Information

EEC hazard classification	Not Known
Risk phrases	Not Known
Safety phrases	Not Known
MSDS is available on website as indicated.	<input type="checkbox"/> Not applicable <input type="checkbox"/> OEM responsibility <input checked="" type="checkbox"/> Specify Website: <a href="http://www.RNAMedical.com">www.RNAMedical.com</a>

### Section 16: Other Information

Directives 88/379/EEC and 91/155/EEC have been considered when compiling this SDS; the information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety or environmental legislation. This information does not constitute indication of suitability for specific uses.

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