



# Material Safety Data Sheet

According to 93/112/EC

## Section I Chemical Product and Company Identification

<b>Product Name:</b> RNA Medical Hematocrit Calibration Verification Controls		<b>Catalog No:</b> CVC 9005	
		<b>BIOMSDS-026</b>	
		<b>MSDS Rev. B</b>	<b>Issue Date: 01/12/09</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
<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>	Buffered aqueous solution for in vitro use for quality control of laboratory instrumentation		
<b>Labeling Text</b>	N/A	<b>Danger Symbol(s)</b>	N/A
<b>Shipping Name</b>	N/A	<b>IATA</b>	Not known

## Section II Composition / Information on Ingredients

<b>Chemical Family:</b>	Salt Solution	<b>Chemical Name:</b>	N/A
<b>Component:</b>	N/A	<b>Concentration Ranges:</b>	N/A
<b>CAS Number:</b>	N/A	<b>EEE Symbol / Risk Phrases:</b>	N/A
Contains no hazardous ingredients with concentration greater than 1% or carcinogens with concentration greater than 0.1%			

## Section III 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 IV 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 V Firefighting Measures

<b>Autoflammability</b>	Not determined		
<b>Flash Point (test method)</b>	Not determined		
<b>Extinguishing Media</b>	Use fire extinguishing media appropriate for site conditions.		
<b>Special Firefighting Procedures</b>	Structural fire fighting gear and self-contained breathing apparatus wil provide adequate protection if this product is in a fire area.		
<b>Fire and Explosion Hazards</b>	Not determined		
<b>Hazardous Combustion Products</b>	Thermal decomposition may emit carbon monoxide and carbon dioxide.		
<b>Upper Explosion Limit (%)</b>	Not determined	<b>Lower Explosion Limit (%)</b>	Not determined

## Section VI 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 VII Handling and Storage

<b>Storage Temperature</b>	Store vials as directed in the package insert.
<b>Handling / Storage</b>	Handle and store vials 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

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## Section VIII Exposure Controls / Personal Protection

Respiratory Protection	Respiratory protection is not required under normal use of this product.
Ventilation	Supplemental ventilation is not required for the normal use of this product.
Protective gloves	Protective gloves are not required for normal use of this product
Other Protective Equipment	Wear lab coat and safety glasses or goggles; use ampul opener to protect fingers from cuts
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 IX Physical and Chemical Properties

Pure substance or preparation	Preparation	Physical Form	Liquid
Appearance / Odor	Clear or yellow tint, odorless	pH AS is	Neutral
Odor threshold	Not determined	Boiling point (760 mmHg)	Not determined
Melting / Freezing point	Not determined	Solubility in Water	Complete
Partition coefficient	Not determined	Relative density	Not determined
Evaporation rate	Not determined	Vapor pressure (mmHg)	Not determined
Vapor density (air = 1)	Not determined	Viscosity	Not determined
Volatiles	Not determined	Volatile Organic Compounds	Not determined
Autoflammability	Not determined	Flash point	Not determined
Oxidizing properties	Not determined		

## Section X Chemical Properties and By Products

Stability	Stabile
Materials to avoid	Strong bases, strong acids and water reactive materials
Hazardous decomposition products	Thermal decomposition may emit carbon monoxide and carbon dioxide.

## Section XI 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 XII 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 XIII Disposal Considerations

Waste disposal	Please consult local, state and federal regulations for additional guidance on disposal
Empty container warnings	Not known

## Section XIV Transport Information (See also Section IX)

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

## Section XV Regulatory Information

EEC hazard classification	Not known
Risk phrases	Not known
Safety phrases	Not known

## Section XVI 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. The information, data and recommendations contained herein are based upon information believed by RNA Medical, after reasonable investigation and research, to be accurate; however, RNA Medical 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. RNA Medical 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 RNA Medical's option. In no case shall RNA Medical be liable for incidental or consequential damages, including lost profits.