

Material Safety Data Sheet

According to 93/112/EC

Section 1: Chemical Product and Company Identification

Product Name:	RNA Medical Safe-Wrap Blood Collection Tubes	Catalog No:	CT 220	BIOMSDS-077
		Issue Date:	June, 2011	MSDS Rev. B
Importer		Manufacturer		
Name:		Name:	RNA Medical, Division of Bionostics, Inc.	
Address:		Address:	7 Jackson Road Devens, Massachusetts USA 01434-4026	
Telephone:		Telephone:	978-772-9070	800-533-6162
Fax:		Fax:	978-772-9071	
Product Use:	heparinized blood collection capillary for collection of blood specimens			
Labeling Text	N/A	Danger Symbol(s)	N/A	
Shipping Name	N/A	IATA	Not known	

Section 2: Composition / Information on Ingredients

Chemical Family:	salt	Chemical Name:	Lithium Heparin
Component:	Lithium Heparin	Concentration Ranges:	15 – 16 I.U./tube
CAS Number:	9045-22-1	EEE Symbol / Risk Phrases:	N/A

This product does not contain any hazardous chemicals at concentrations of 1% or greater. Furthermore, this product does not contain any known carcinogens at concentrations of 0.1% or greater.

Section 3: Hazards Identification

Eye Contact	None identified
Skin Contact	None identified
Ingestion	None identified
Inhalation	May cause nosebleeds
Chronic Exposure	Inhalation may cause nosebleeds

Section 4: First Aid Measures

Eye Contact	Rinse opened eye for 15 minutes under running water, then consult a doctor.
Skin Contact	Immediately wash with water and soap, then rinse thoroughly.
Ingestion	Consult a physician
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Section 5: Firefighting Measures

Autoflammability	N/A
Flash Point (test method)	N/A
Extinguishing Media	Water spray
Special Firefighting Procedures	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Fire and Explosion Hazards	Emits toxic fumes under fire conditions

Section 6: Accidental Release Measures

Spill and Leak Procedures	Avoid overexposure. If amount is small, rinse with water. If amount is large, contain spill and place into a sharps container and cover. Wash area with water.
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Section 7: Handling and Storage

Storage Temperature	Room Temperature, avoid temperatures above 30 deg. C for prolonged periods.
Handling / Storage	Product is extremely hygroscopic. Store in closed container. Store in a cool, dry, place.
Ventilation Requirements	No special requirements

Section 8: 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	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
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.

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Section 9: Physical and Chemical Properties

Pure substance or preparation	Preparation	Physical Form	Dry crystalline
Appearance / Odor	Clear, odorless	pH AS is	neutral
Odor threshold	N/A	Boiling point (760 mmHg)	N/A
Melting / Freezing point	N/A	Solubility in Water	complete
Partition coefficient	N/A	Relative density	N/A
Evaporation rate	N/A	Vapor pressure (mmHg)	N/A
Vapor density (air = 1)	N/A	Viscosity	N/A
Volatiles	N/A	Volatile Organic Compounds	N/A
Autoflammability	N/A	Flash point	N/A
Oxidizing properties	N/A		

Section 10: Chemical Properties and By Products

Stability	Stabile
Materials to avoid	None identified
Hazardous decomposition products	Will not occur

Section 11: Toxicological Information

Acute Eye Effects	None identified	Acute Skin Effects	None identified
Inhalation Toxicity	May cause nosebleeds	Ingestion Toxicity	None identified
Exposure Limits	Not established	Teratogenicity	Not established
Reproductive Toxicity	Not established	Mutagenicity	Not established
Synergistic Products	Not established	Sensitization to Product	Not established
Carcinogenicity	Contains less than 0.1% by weight of a material listed as a potential carcinogen by; NTP: no IARC: no OSHA: no		

Section 12: Ecological Information

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data is available.

Section 13: Disposal Considerations

Disposal should be done in accordance with local, state and federal regulations.
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Section 14: Transport Information

DOT			
Proper Shipping Name	Chemicals, N.O.S. (not regulated)	Hazard Class	N/A
I.M.O.			
Proper Shipping Name	Chemicals, N.O.S. (not regulated)	Hazard Class	N/A
I.C.A.O. / I.A.T.A			
Proper Shipping Name	Chemicals, N.O.S. (not regulated)	Hazard Class	N/A

Section 15: Regulatory Information

TSCA Inventory	None		
California Proposition 65 – Chemicals known to cause cancer	Substance not listed		
California Proposition 65 – Chemicals known to cause reproductive toxicity:	Substance not listed		
SARA Hazard Notification Hazard Categories (40 CFR Part 370)	None		
Section 313 Toxic Chemicals	None		
Hazardous Chemical(s) under OSHA Hazard Communication Standard	None		
MSDS is available on website as indicated.	<input type="checkbox"/> Not applicable	<input type="checkbox"/> OEM responsibility	X Specify Website: www.RNAMedical.com

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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