

# Material Safety Data Sheet

## Section I Chemical Product and Company Identification

<b>Importer</b> Name: Address:  Telephone: Fax:	<b>Manufacturer</b> Name: Bionostics, Inc. Address: 7 Jackson Road Devens, Massachusetts USA 01434  Telephone: +01 978 772 7070 Fax: +01 978 772 7072
Product Name: <b>RNA Medical Safe-Wrap Blood Collection Tubes</b>	Catalog No: <b>CT220</b>
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 II Composition / Information on Ingredients

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

## Section III Hazards Identification

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

## Section IV 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 V 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 VI 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 VII 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 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	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.

## Section IX 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 X Reactivity Data

Reactivity	Stabile
Incompatibility	None identified
Hazardous polymerization	Will not occur

## Section XI 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 XII Ecological Information

No data is available on the adverse effects of this material on the environment. Neither COD or BOD data is available.

## Section XIII Disposal Considerations

Disposal should be done in accordance with local, state and federal regulations.

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

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 XV 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		

## Section XVI Other Information

The information, data and recommendations contained herein are based upon information believed by Bionostics, 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.