

MATERIAL SAFETY DATA SHEET

Specimens in Carolina's Perfect Solution
CAROLINA BIOLOGICAL SUPPLY COMPANY

Revised: 03/29/05
Replaces: 07/16/04
Printed: 04/05/05

1. PRODUCT DESCRIPTION

Product Name: Specimens in Carolina's Perfect Solution®
Product Code(s): Various
Size: Various
Chemical Name: Product is a mixture
CAS Number: See section 2
Formula: See section 2
Synonyms: Specimens in Carosafe 2000
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principal Hazardous Components:

The components of this mixture are proprietary
TLV and PEL units: 1000 ppm TLV/PEL for one component

3. HAZARD IDENTIFICATION

Emergency Overview: Do not take internally. May cause irritation to skin and eyes.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - Do not induce vomiting. If swallowed, if conscious, give plenty of water immediately and call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): >200 F closed cup

NFPA Rating:	Health	1
	Flammability	1
	Reactivity	0

Extinguisher Media:

Use dry chemical, CO2 or appropriate foam.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Under intense heat, components of this mixture may produce hazardous decomposition products, give off irritating vapors, and give off heavy smoke and flammable vapors.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

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Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Avoid contact with skin, eyes and clothing. Store in a cool, dry, well-ventilated area below 120 F. Control access to this and all other chemicals. Wear personal protective equipment as is outlined in Section 8 and on the product label.

Other Precautions: None known

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type): None needed under normal conditions of use.

Ventilation:

Local Exhaust:	Not necessary
Mechanical(General):	Recommended
Special:	No
Other:	No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight:	Does not apply. Product is a mixture.
Melting Point:	No data available
Boiling Point:	185°F for Carolina's Perfect Solution®
Vapor Pressure (mmHg):	22.756 for Carolina's Perfect Solution®
Vapor Density(Air=1):	0.9887 for Carolina's Perfect Solution®
Specific Gravity(H ₂ O=1):	.99 for Carolina's Perfect Solution®
Percent Volatile by Volume:	No data available
Evaporation Rate(Butyl Acetate=1):	5.0 for Carolina's Perfect Solution®
pH	6.62 for Carolina's Perfect Solution®
Solubility in Water:	Carolina's Perfect Solution® is an aqueous mixture.
Appearance and Odor:	Carolina's Perfect Solution® is a colorless solution with minimal chemical odor. Specimens exhibit a biological smell and minimal chemical odor.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Temperatures above 425 F, flame

Incompatibility(Materials to Avoid): Alkalies, amines, sulfides, strong oxidizers, metals, strong bases

Hazardous Decomposition Products: If heated to decomposition, carbon monoxide carbon dioxide, nitrogen oxides and other unidentified hydrocarbons will be evolved.

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Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: orl-rat LD50: >5000 mg/kg

Effects of Overexposure:

Acute: See section 3

Chronic: To the best of our knowledge, the chronic effects data for this mixture as a whole have not been reported.

Conditions Aggravated by Overexposure: Pre-existing conditions of the respiratory system

Target Organs: N/A

Primary Route(s) of Entry: Inhalation, skin, eye contact

12. ECOLOGICAL DATA

EPA Waste Numbers: N/A

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute Chronic
SARA Sec. 313

Product or	SARA EHS	Chemicals	CERCLA	RCRA
Components	Sec. 302	Name Chemical	Sec. 103	Sec.
	TPQ	List Category	RQ lbs.	261.33

N/A

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists

CAS Number...Chemical Abstracts Service Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

mppcf.....million particles per cubic foot

N/A.....Not Available

NTP.....National Toxicology Program

OSHA.....Occupational Safety and Health Administration

PEL.....Permissible Exposure Limit

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ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act

The Carolina Pledge: 100% Satisfaction Guaranteed

All of our products are unconditionally guaranteed. If for any reason you are not satisfied with any item, you may return it for a replacement, a refund, or credit. It's that simple.

MERCHANDISE RETURN FORM

Important: Please check your order as soon as it arrives. If you find missing or damaged merchandise, call Customer Service at 1-800-334-5551 within 14 days and we will give you instructions concerning replacement.

INSTRUCTIONS

1. Pack the merchandise in the original packing material and place in the original shipping carton (if in good condition).
2. If unable to retain original shipping carton, merchandise must be packaged appropriately for shipment.
3. Include this form inside the box with the information below completed. This information is vital in helping to identify your return.
4. Return the package to us by the shipper of your choice. (We suggest UPS Ground or US Postal Service.)

Important—

- Merchandise should be packaged and shipped to us in a manner that will guarantee safe delivery.
- If you have any questions or believe that an ARS (Authorized Return Service) label should be issued by Carolina Biological Supply Company, please feel free to call your customer service representative at 1-800-334-5551.
- Living/Perishable Materials are not generally returnable. Please call for instructions.

REASON FOR RETURN

(Check One)

_____ Damaged or Defective

_____ Wrong Item Sent

_____ Other (comments)

Our Order Number _____

Your Purchase Order Number _____

Your School Name and Contact Person _____

Your Telephone Number _____

 **Carolina Biological Supply Company** 2700 York Road
Burlington, NC 27215

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