Specimens in Carosafe®



Section 1

Product Description

Product Name: Specimens in Carosafe® Recommended Use: Science education applications

Synonyms: None Known

Distributor: Carolina Biological Supply Company

2700 York Road, Burlington, NC 27215

1-800-227-1150

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)

Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;





May cause cancer.

GHS Classification:

Carcinogenicity Category 1A, Skin Corrosion/Irritation Category 3, Acute Toxicity - Oral Category 5

Other Safety Precautions: IF exposed or concerned: Get medical advice/attention.

Section 3

Composition / Information on Ingredients

Chemical Name	CAS#	%
Water	7732-18-5	89
Propylene Glycol	57-55-6	10
2-Phenoxyethanol	122-99-6	0.67
2-Amino-2-Ethyl-1,3-Propanediol	115-70-8	0.33

Specimens will contain some residual formaldehyde. {EMSFORM_03SDS_COMP_NOTE}

Section 4

First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: After contact with skin, wash immediately with plenty of water.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5

Firefighting Procedures

Extinguishing Media: Use dry chemical, CO2 or appropriate foam.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained

breathing apparatus.

Fire and/or Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Section 6

Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled:

No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS

Surfaces may become slippery after spillage.

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7

Handling and Storage

Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and

understood. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not breathe

gas/fumes/vapor/spray.

Storage: Store locked up. Keep container tightly closed in a cool, well-ventilated place.

Storage Code: Green - general chemical storage

Section 8

Protection Information

	ACC	<u> SIH</u>	OSHA PEL	
Chemical Name	(TWA)	(STEL)	(TWA)	(STEL)
Propylene Glycol	N/A	N/A	N/A	N/A
2-Phenoxyethanol	N/A	N/A	N/A	N/A
2-Amino-2-Ethyl-1.3-Propanediol	N/A	N/A	N/A	N/A

Control Parameters

Engineering Measures: No exposure limits exist for the constituents of this product. Use local exhaust ventilation

or other engineering controls to minimize exposures and maintain operator comfort.

Personal Protective Equipment (PPE):

Respiratory Protection:

Respirator Type(s): None required where adequate ventilation is provided. If airborne concentrations are

Lab coat, apron, eye wash, safety shower.

above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection: Wear appropriate eye protection when handling this product.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective

equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving

work.

Gloves: No information available

Section 9

Physical Data

Formula: See Section 3

Molecular Weight: No data available
Appearance: Colorless Preserved Specimen
Odor: Mild distinct sweet, pungent biological odor.

Odor Threshold: No data available

pH: 7

Melting Point: -60 C Boiling Point: 100 C Flash Point: > 200 C

Flammable Limits in Air: No data available

Vapor Pressure: No data available

Evaporation Rate (BuAc=1): No data available Vapor Density (Air=1): No data available

Specific Gravity: >1

Solubility in Water: Soluble

Log Pow (calculated): No data available Autoignition Temperature: No data available Decomposition Temperature: No data available

Viscosity: No data available

Percent Volatile by Volume: No data available

Section 10

Reactivity Data

Reactivity: No data available

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: None known.

Incompatible Materials: Metals, Strong oxidizing agents, Strong alkalies, Caustics (bases)

Hazardous Decomposition Products: Carbon oxides, Nitrogen containing gases

Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry Inhalation and ingestion.

Symptoms (Acute): Diarrhea, Nausea, Respiratory Irritation, Dermititis, Allergies

Delayed Effects: No data available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Water	7732-18-5	Oral LD50 Rat		
		90000 mg/kg		
Propylene Glycol	57-55-6	Oral LD50 Dog	Dermal LD50	
		22000 mg/kg	Rabbit 20800	
			mg/kg	
2-Phenoxyethanol	122-99-6	Oral LD50 Rat	Dermal LD50 Rat	
		1260 mg/kg	14422 mg/kg	
		Oral LD50 Mouse	Dermal LD50	
		933 mg/kg	Rabbit 5 ml/kg	

2-Amino-2-Ethyl-1,3-Propanediol 115-70-8

Carcinogenicity:

Chemical Name	CAS Number	IARC	NTP	OSHA
Propylene Glycol	57-55-6	Not listed	Not listed	Not listed
2-Phenoxyethanol	122-99-6	Not listed	Not listed	Not listed
2-Amino-2-Ethyl-1,3-Propanediol	115-70-8	Not listed	Not listed	Not listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect).

Sensitization: No evidence of a sensitization effect.

Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: No information available Chronic: No information available

Section 12

Ecological Data

Overview: This material is not expected to be harmful to the ecology.

Mobility: This material is expected to have high mobility in soil. It absorbs weakly to most soil types.

Persistence: Biodegradation, Dissolved into water Bioaccumulation: Bioconcentration is not expected to occur.

Degradability: Biodegrades at a moderate rate.

Other Adverse Effects: No data

Chemical Name	CAS Number	Eco Toxicity
Water	7732-18-5	No data available
Propylene Glycol	57-55-6	96 HR LC50 PIMEPHALES PROMELAS 710 MG/L
		96 HR LC50 PIMEPHALES PROMELAS 51400 MG/L [STATIC]
		96 HR LC50 ONCORHYNCHUS MYKISS 51600 MG/L [STATIC]
		48 HR EC50 DAPHNIA MAGNA > 1000 MG/L [STATIC]
		24 HR EC50 DAPHNIA MAGNA > 10000 MG/L
		96 HR EC50 PSEUDOKIRCHNERIELLA SUBCAPITATA 19000
		MG/L
2-Phenoxyethanol	122-99-6	96 HR LC50 PIMEPHALES PROMELAS 366 MG/L [STATIC]
		48 HR EC50 DAPHNIA MAGNA > 500 MG/L
		72 HR EC50 DESMODESMUS SUBSPICATUS > 500 MG/L

Section 13 Disposal Information

115-70-8

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

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

Not available

Waste Disposal Code(s): Not Determined

2-Amino-2-Ethyl-1,3-Propanediol

Section 14

Transport Information

Ground - DOT Proper Shipping Name: Not regulated for transport by US DOT.

Air - IATA Proper Shipping Name: Not regulated for air transport by IATA.

Section 15

Regulatory Information

TSCA Status: All components in this product are on the TSCA Inventory.

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Propylene Glycol	57-55-6	No	No	No	No	No
2-Phenoxyethanol	122-99-6	No	No	No	No	No
2-Amino-2-Ethyl-1,3-Propanediol	115-70-8	No	No	No	No	No

California Prop 65:



WARNING: Cancer - www.P65Warnings.ca.gov

Section 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.

Glossary	,
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ACGIH	American Conference of Governmental	NTP	National Toxicology Program
	Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health