

Material Safety Data Sheet



Specimens in Carolina's Perfect Solution®

Carolina Biological Supply Company

CAROLINA
www.carolina.com

Section 1 - Product Description

Product Name: Specimens in Carolina's Perfect Solution®

Product Code(s): Various

Size: Various

Chemical Name: Not Applicable, product is a mixture

Recommended Use: Supervised science education activities.

Manufacturer: Carolina Biological Supply Co., USA

Distributor: Southern Biological
19-21 Worrell Street
Nunawading VIC 3131 Australia

Chemical Information: (03) 9877-4597 or (0425) 725-875 outside business hours

Section 2 - Hazard Identification

Emergency Overview: No hazard under normal recommended use. Do not ingest.

Hazard Classification: Not Hazardous.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation to skin.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

Section 3 - Composition / Information on Ingredients

Principal Hazardous Components: Specimens in Carolina's Perfect Solution® do not contain reportable concentrations of any hazardous chemicals as classified by the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]. The composition of this mixture is proprietary and is protected as a Trade Secret.

Synonyms: Not Applicable

CAS Number: Not Available

Formula: Not Available

Section 4 - First Aid Measures

Emergency and First Aid Procedures:

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

Skin - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Ingestion - If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).

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

Conditions Aggravated by Overexposure: Respiratory disorders

Section 5 - Firefighting Procedures

NFPA Rating:

Health: 1

Fire: 1

Reactivity: 0

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

Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

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

Hazardous Decomposition Products: COx, NOx, Hydrocarbons,

Hazchem: Not Required. Material is not hazardous.

Section 6 - Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: 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.

Section 7 - Special Precautions

Precautions to Take in Handling or Storing: Keep container tightly closed in a cool, well-ventilated place.

Avoid contact with skin and eyes.

Take off immediately all contaminated clothing.

Wear suitable protective clothing, gloves and eye/face protection.

Section 8 - Protection Information

TLV units: Not Applicable

PEL units: Not Applicable

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

Ventilation:

Local Exhaust: Acceptable, not required

Mechanical (General): Recommended

Special: No

Other: No

Protective Gloves: Natural rubber, Neoprene, PVC or equivalent.

Eye Protection: Splash proof chemical safety goggles should be worn.

Other Protective Clothing or Equipment: Lab coat, apron, eye wash, safety shower.

Section 9 - Physical Data

All available physical data is for Carolina's Perfect Solution®, and not for the residual fluid due to variations in specimens

Molecular Weight: not available, product is a mixture.

Melting Point: not available

Boiling Point: 85 °C

Vapor Pressure: 22.756

Vapor Density(Air=1): 0.9887

Specific Gravity (H2O=1): .99

Percent Volatile by Volume: not available

Evaporation Rate (BuAc=1): 5.0

Solubility in Water: Soluble

Appearance and Odor: Clear colorless liquid with faint odor.

Flash Point (Method Used): >93 °C closed cup

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Section 10 - Reactivity Data

Stability: Stable

Conditions to Avoid: Heat and sources of ignition.

Incompatibility (Materials to Avoid): Alkalis, Amines, Sulfides, Oxidizers, Bases,

Hazardous Decomposition Products: CO_x, NO_x, Hydrocarbons,

Hazardous Polymerization: Will not occur

Section 11 - Toxicity Data

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

Effects of Overexposure:

Acute: See Section 2

Chronic: To the best of our knowledge, the toxicological properties of this mixture have not been thoroughly evaluated.

Conditions Aggravated by Overexposure: Respiratory disorders

Target Organs: N/A

Primary Route(s) of Entry: Inhalation, Skin and Eye contact.

Section 12 - Ecological Data

Ecotoxicity: To the best of our knowledge, detailed information on the ecological effects of this mixture has not been compiled.

Persistence and Degradability: Residual fluid from specimens is readily soluble in water. Specimen tissue is expected to be biodegradable.

Mobility: To the best of our knowledge, detailed information on the ecological effects of this mixture has not been compiled.

Bioaccumulative Potential: not bioaccumulative

EPA Waste Numbers: not applicable

Section 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.

Special Precautions for Landfill Disposal and Incineration: None Known

Section 14 - Transport Information

DOT Proper Shipping Name: Not applicable. This products is not classified as dangerous for transport

UN Number: not available

UN Proper Shipping Name: not available

Class and Subsidiary Risks: not available

Packing Group: None. Material is not hazardous

Hazchem Code: Not Required. Material is not hazardous

Special Precautions for User: None

Section 15 - Regulatory Information

EPA TSCA Status: not on TSCA inventory.

Hazard Category for SARA Section 311/312 Reporting:

Name List:

not available

Chemical Category:

not available

CERCLA Section 103 RQ(lb.): not available

RCRA Section 261.33: not available

SUSDP: Not Scheduled

AICS: Not Listed

AVCA: Not Applicable

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. 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.

Revised: 8 Apr 2011

Replaces: 25 Jan 2011

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Summary of Revisions: Revised to update MSDS to Australian format (*Australian National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC: 2011 (2003)]*).

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
CAS Number	Chemical Services Abstract Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOT	U.S. Department of Transportation
IARC	International Agency of Research on Cancer
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
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
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
AICS	Industrial Chemicals (Notification and Assessment) Act of 1989
AVCA	Agricultural and Veterinary Chemicals act of 1988

Literature References:

1. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)], 3rd Edition
2. Safe Work Australia – Hazardous Substances Information System – Guidance Material for Hazard Classifications
3. ANSI Z400.1/Z129.1-2010 - Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation