

## **MATERIAL SAFETY DATA SHEET**

Simulated Antisera  
Carolina Biological Supply Company

Revised: 07/16/04  
Replaces: 09/05/03  
Printed: 04/20/05

### **1. PRODUCT DESCRIPTION**

Product Name: Simulated Antisera  
Size: 1 Liter  
Chemical Name: Inorganic Salts in aqueous solution  
CAS Number: N/A  
Formula: N/A  
Synonyms: None available  
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**

The components of this mixture are proprietary.  
TLV and PEL units: None established

### **3. HAZARD IDENTIFICATION**

Emergency Overview: May cause irritation. Avoid contact with eyes, skin, clothing. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

### **4. FIRST AID MEASURES**

Emergency and First Aid Procedures:

Eyes - Flush with large amount of water. Raise and lower eyelids occasionally. Get medical attention if irritation persists.

Skin - Wash with soap and plenty of water. Remove contaminated clothing; wash contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If conscious, give plenty of water to dilute. Seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen, as directed by medical personnel, if breathing is difficult. Give artificial respiration if breathing has stopped, and get medical attention.

### **5. FIREFIGHTING PROCEDURES**

Flash Point (Method Used): Non-combustible (NA)

NFPA Rating: Health: 1  
Fire: 0  
Reactivity: 0

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: No information available

Autoignition Temperature: No information available

Special Firefighting Procedures:

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

Unusual Fire and Explosion Hazards: May produce hazardous gases in extreme heat.

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### **6. SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:  
Ventilate area of spill. Clean-up personnel should wear protective clothing to prevent contact with material. Absorb material with a suitable absorbent and containerize for disposal.

### **7. SPECIAL PRECAUTIONS**

Precautions to be Taken in Handling or Storing: Keep container tightly closed. Store at controlled room temperature in a cool dry place.

### **8. SPECIAL PROTECTION INFORMATION**

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

Ventilation:

Local Exhaust: No  
Mechanical (General): Yes  
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: N/A

Melting Point: N/A

Boiling Point: approximately 212 degrees F

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Specific Gravity (H<sub>2</sub>O=1): N/A

Solubility in Water: Soluble

Appearance and Odor: Clear, odorless liquid with food color added (for differentiation between types of antisera).

### **10. REACTIVITY DATA**

Stability: Stable

Conditions to Avoid:

Anti-A: Will corrode most metals. With zinc, as in galvanized steel, corrosion may produce flammable hydrogen gas.

Anti-B: None.

Anti-Rh: Avoid strong acids (will generate heat).

Incompatibility (Materials to Avoid):

Anti-A: Most common metals.

Anti-B: None.

Anti-Rh: Acids.

Hazardous Decomposition Products: None noted

Hazardous Polymerization: Will not occur

### **11. TOXICITY DATA**

Toxicity Data: Acute Oral LD<sub>50</sub> estimated to exceed 5,000mg/Kg

Effects of Overexposure: May cause some irritation to the skin, eyes, and mucous membranes. If ingested, may cause gastrointestinal

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irritation.

Acute: See section 3

Chronic: No information available

Conditions Aggravated by Overexposure: No information available

Target Organs: Skin, eyes and mucous membranes.

Primary Route(s) of Entry: Eye contact, skin contact, inhalation, and ingestion.

### 12. ECOLOGICAL DATA

EPA Waste Numbers: None

### 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

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name Chemical List Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
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Proprietary	No	No	No	No
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### 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  
ppm.....parts per million  
RCRA.....Resource Conservation and Recovery Act  
SARA.....Superfund Amendments and Reauthorization Act

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TLV.....Threshold Limit Value  
TSCA.....Toxic Substances Control Act