

MATERIAL SAFETY DATA SHEET



221 Rochester Street
Avon, NY 14414
(585) 226-6177

MSDS No.: AA0495
Effective Date: February 25, 2010

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Antiserum, Simulated, Anti-B
Chemical Synonyms	N/A
Formula	Mixture.
Unit Size	up to 3.785 Lt.
C.A.S. No.	Mixture.

 NFPA HAZARD RATING MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4	CHEMTREC 800-424-9300 Day 585-226-6177	<table border="1"> <tr> <td>Health</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Fire</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> </table>	Health	0	Fire	0	Reactivity	0
	Health	0						
Fire	0							
Reactivity	0							
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SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium sulfate: (CAS No. 7757-82-6)	7.1%	None established.
Water: (CAS No. 7732-18-5)	92.9%	None established.
FD&C yellow #5: (CAS No. 1934-21-0)	< 1%	None established.

CAUTION! MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	92.9%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water =1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, yellow liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA AA0495

Threshold Limited Value None established for this mixture. (ACGIH 2001)

Effects of Overexposure **INGESTION:** Not generally considered toxic. However, if swallowed, irritation may develop in the mouth, esophagus and stomach. May cause purging. **SKIN:** Effects minimal, but irritation may result from prolonged skin contact. **EYES:** Contact may irritate eyes. **INHALATION AS MIST:** May irritate nose, throat and lungs. Target organs: None known.

Emergency and First Aid Procedures **INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature to cause evaporation.
	Stable	X		

Incompatibility (Materials to Avoid) Molten active metals, including aluminum and magnesium.

Hazardous Decomposition Products Decomposition may produce oxides of sulfur fumes.

Hazardous Polymerization	May Occur	Will Not Occur	Conditions to Avoid	Not applicable.
		X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Flush solution to sewer with plenty of water.
Wash spill area with soap and water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dissolve in water and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.			
Ventilation	Local Exhaust	Not required.	Special	No.
	Mechanical (General)	Not required.	Other	No.
Protective Gloves	Rubber .	Eye Protection	Chemical safety glasses.	

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place. Wash thoroughly after handling.

Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with skin and eyes. Remove and wash contaminated clothing.

Revision No. 1	Date 2/25/10	Approved James A. Bertsch	Chemical Safety Coordinator JAB
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