Geneva Campus Center
1/07

Material Safety Data Sheet # 1431

ENTITY *(As Used on Label and List)*
Simulated Anti-Serum ABO-Rh

Section I

Manufacturer's Name	**Emergency Telephone Number**
Ward's Natural Science Establishment	Chemtrec 800-424-9300
Address *(Number, Street, City, State, and ZIP Code)*	**Telephone Number for Information**
5100 West Henrietta Road	800-962-2660
Rochester, NY 14692-9012	**Date Prepared**
	August 12, 2004
	Signature of Preparer *(Optional)*

Section II - Hazardous Ingredients/Identity Information

Hazardous Components *(Specific Chemical Identity; Common Name(s))*	**CAS #**	**OSHA PEL**	**ACGIH TLV**	**Other Limits**	**% Optional**
Inorganic Salts (proprietary information)					6-12%
Distilled water					88-94%
Food coloring mixture FDC Yellow #5					<0.1%
Food coloring mixture FDC Blue #1					<0.1%

Section III - Physical/Chemical Characteristics

Boiling Point	100C (210F)	**Specific Gravity (H_2O = 1)**	1
Vapor Pressure (mm Hg.)	N/A	**Melting Point**	N/A
Vapor Density (AIR = 1)	N/A	**Evaporation Rate** n-butyl acetate = 1	N/A

Solubility in Water
mpletely soluble.

Appearance and Odor
Blue, yellow or green; odorless

Section IV - Fire and Explozion Hazard

Flash Point *(Method Used)*	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A

Extinguishing Media

Use media best suited for surrounding fire

Special Fire Fighting Procedures

No special procedures. See above.

Unusual Fire and Explosive Hazards

N/A

Section V - Reactivity Data

Stability			Conditions to Avoid
	Unstable		
	Stable	X	Excessive temperature and heat

Incompatability *(Materials to Avoid)*

N/A

Hazardous Decomposition or Byproducts

Thermal Decomposition may produce carbon dioxide and/or carbon monoxide

Hazardous Polymerization			Conditions to Avoid
	May Occur		
	Will Not Occur	X	N/A

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?

Health Hazards *(Acute and Chronic)*

The Full Toxicological properties have not been thoroughly tested. Eye contact may cause irritation. Skin contact may cause irritation. This product may be harmful by injestion. The full toxicological effects have not been throughly investigated. Low toxicity. Exercise appropriate procedures to minimize potential hazards. Simulated Anti-A serum: LD50 oral rat 1200 mg/kg (in concentrated form). Simulated Anti-B serum: LD50 oral rat 5980 mg/kg (in concentrated form). Simulated Anti-Rh serum: LD50 oral rat 1200 mg/kg (in concentrated form).

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
N/A	No		

Signs and Symptoms of Exposure

Irritation of eyes and skin possible with contact.

Medical Conditions Generally Aggravated by Exposure

Emergency and First Aid Procedures

Skin contact: Wash thorooughly with water for 15 minutes. Eye contact: Flush eyes throughly with water lifting lower and upper eyelids occasionally. If irritation develops or persists, contact physician. Ingestion: If concious, give one or two glasses of water, contact physician.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Absorb with vermiculite, paper towels, or other absorbent material. Place in suitible container.

Waste Disposal Method

Discharge, treatment, and disposal may be subject to Federal, State/Provincial and local regulations.

Precautions to be Taken in Handling and Storage

Storage code:Green (general). Store in cool, dry place. Wash throughly after handling. Keep container tightly cl

Other Precautions

For educational use only. Not for clinical or diagnostic use. To be used only with direct supervision of a qualified professional specifically trained in laboratory procedures. Do not take or use internally. Wear protective equipment. Wash hands throughly with soap and water after use. Not for drug, food or household use. Keep out of reach of children.

Section VIII - Control Measures

Respiratory Protection *(Specify Type)*

None

Ventilation	**Local Exhaust** None needed	**Special** None required
	Mechanical None needed	**Other** No

Protective Gloves	Rubber (butyl/nitrile) gloves	**Eye Protection**	chemical safety goggles

Other Protective Clothing or Equipment

Lab coat and apron; eyewash station in proximity (within 15 sec. Of work station).

Work/Hygenic Practices

Wear protective equipment. Wash hands thoroughly after use.

FOR ADDITIONAL INFORMATION:

Contact Ward's Safety Manager during business hours at (800) 962-2660.

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