


WARD'S MATERIAL SAFETY DATA SHEET

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MSDS No. 1430
Effective Date: January 31, 1997

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Simulated Blood	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 1 Fire 0 Reactivity 0
Chemical Synonyms	N/A	
Formula	Mixture	
Unit Size	5ml, 60ml	
C.A.S. No.	Mixture	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Inorganic Salts (Proprietary Information)	0-8%	N/A
Inert Microcomponents (Proprietary)	<0.1%	N/A
Food Coloring mixture: FDC #40 and FDC #3	<0.1%	N/A
Distilled Water CAS 7732-18-5	94.0%	N/A

SECTION III PHYSICAL DATA

Melting Point (°F)	0°C (32°F)	Specific Gravity (H ₂ O = 1)	1 (Water)
Boiling Point (°F)	212°C (413.6°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Butyl Acetate =1)	<1
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete		
Appearance & Odor	Red color; odorless		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

Use best for surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

N/A

D.O.T. Non-regulated

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

SECTION V HEALTH HAZARD DATA

Threshold Limited Value

The full toxicological properties of this material have not been thoroughly investigated.

Effects of Overexposure

Eye contact may cause irritation. Skin contact may cause irritation. This product may be harmful if ingested. Generally aggravated by exposure. The full toxicological properties of this material have not been thoroughly investigated.

Emergency and First Aid Procedures

SKIN CONTACT: Flush with large amounts of water. EYE CONTACT: Flush eyes thoroughly with water, lifting lower and upper eyelids occasionally. If irritation develops or persists, contact physician. INGESTION: If conscious, give one or two glasses of water; contact physician.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Excessive temperature and heat
Incompatibility (Materials to Avoid)	N/A		
Hazardous Decomposition Products	Thermal decomposition may produce carbon dioxide and /or carbon monoxide.		
Hazardous Polymerization	May Occur	Will Not Occur	Conditions to Avoid
		X	N/A

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Absorb with vermiculite, paper towelling, or other absorbent material. Place in suitable container.

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.

Dispose of in sanitary sewer with large amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be required in normal laboratory use.

Ventilation	Local Exhaust	None Needed	Special	No
	Mechanical (General)	None Needed	Other	No

Protective Gloves Rubber (butyl/nitrile) Gloves **Eye Protection** Chemical Safety Goggles

Other Protective Equipment Lab coat, apron, eye wash station in close proximity (within 15 sec. of work station).

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Storage Code:Green (General). Store in cool, dry place.

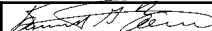
Keep container tightly closed when not in use.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Wash hands thoroughly with soap and water after use.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 1 **Date** 1/31/97 **Approved**  **Chemical Safety Coordinator** Kenneth G. Rainis

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