

MATERIAL SAFETY DATA SHEET

SIMULATED BLOOD
Carolina Biological Supply Company

Revised: 07/16/04
Replaces: 09/04/03
Printed: 04/13/05

1. PRODUCT DESCRIPTION

Product Name: Simulated Blood
Size: 7mL
Chemical Name: Does not apply, Products are mixtures
CAS Number: Does not apply, Products are mixtures
Formula: Products are proprietary mixtures
Synonyms: None
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

Components of mixture are proprietary.
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: May be irritating to skin, eyes, and mucous membranes. Avoid contact with eyes, skin, clothing. Avoid breathing vapor. Keep in tightly closed container. Use 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 respiratory tract irritation

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): No data available

NFPA Rating: Health: 1

Fire: 0

Reactivity: 0

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: No data available

Autoignition Temperature: No data available

Special Firefighting Procedures:

Firefighters should wear adequate personal protective equipment to prevent contact with material or combustion products.

Unusual Fire and Explosion Hazards: Extreme heat may produce toxic combustion products.

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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. Suitable for general chemical storage.

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, nitrile, or equivalent.

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

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

9. PHYSICAL DATA

Molecular Weight: No data available

Melting Point: N/A

Boiling Point: N/A

Vapor Pressure: N/A

Specific Gravity (H₂O=1): N/A

Percent Volatile by Volume: No data available

Evaporation Rate: No data available

Solubility in Water: Appreciable

Appearance and Odor: Red aqueous solution. No apparent odor.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: No data available

Incompatibility (Materials to Avoid): Strong acids and bases, highly reactive metals, water reactive chemicals.

Hazardous Decomposition Products: May produce hazardous decomposition products under extreme heat conditions.

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: Acute Oral (Rat) LD₅₀ estimated to be greater than 5000 mg/Kg.

Not listed as causing cancer by NTP, IARC, or OSHA.

Effects of Overexposure:

Acute: See section 3

Chronic: No chronic effects information found

Conditions Aggravated by Overexposure: None

Target Organs: No data available

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

12. ECOLOGICAL DATA

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EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: Components 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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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
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act