Simulated Blood



Section 1

Product Description

Product Name:

Simulated Blood

Recommended Use:

Science education applications

Synonyms:

N/A

Distributor:

Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215

1-800-227-1150

Chemical Information:

800-227-1150 (8am-5pm (ET) M-F)

Chemtrec:

800-424-9300 (Transportation Spill Response 24 hours)

Section 2

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

No known OSHA hazards.

GHS Classification:

Other Safety Precautions:

Not a dangerous substance according to GHS classification criteria.

May cause eye irritation.

May cause gastrointestinal discomfort. May cause irritation to respiratory tract.

May cause irritation to skin.

Section 3

Composition / Information on Ingredients

Chemical Name

CAS# N/A

The composition of this mixture is proprietary and is protected as a Trade

Secret.

Section 4

First Aid Measures

Emergency and First Aid Procedures

Inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Ingestion:

After contact with skin, wash immediately with plenty of water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5

Firefighting Procedures

Extinguishing Media:

Use media suitable to extinguish surrounding fire.

Fire Fighting Methods and Protection:

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

breathing apparatus.

Fire and/or Explosion Hazards: **Hazardous Combustion Products:** Fire or excessive heat may produce hazardous decomposition products.

Carbon dioxide, Carbon monoxide

Section 6

Spill or Leak Procedures

Steps to Take in Case Material Is

Released or Spilled:

No adverse health affects expected from the clean-up of spilled material.

No special spill clean-up considerations. Collect and discard in regular trash.

Section 7

Handling and Storage

Storage:

Keep container tightly closed in a cool, well-ventilated place.

Storage Code:

Green - general chemical storage

Section 8

Protection Information

<u>ACGIH</u>

Chemical Name

No data available

(TWA) N/A

(STEL) N/A

(TWA) N/A

(STEL) N/A

OSHA PEL

Control Parameters

Engineering Measures:

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE):

Respiratory Protection:

Eye Protection:

Lab coat, apron, eye wash, safety shower. No respiratory protection required under normal conditions of use.

Wear chemical splash goggles when handling this product. Have an eye wash station

available.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through

and replace at regular intervals. Clean protective equipment regularly, Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving

Gloves:

Natural latex,, Natural rubber, Neoprene, Nitrile, Polyvinyl chloride

Section 9

Physical Data

Formula: N/A, product is a mixture

Molecular Weight: N/A Appearance: Red Liquid

Odor: None

Odor Threshold: No data available

pH: No data available

Melting Point: No data available Boiling Point: No data available Flash Point: No data available Flammable Limits in Air: N/A

Vapor Pressure: N/A

Evaporation Rate (BuAc=1): N/A

Vapor Density (Air=1): N/A Specific Gravity: N/A

Solubility in Water: Soluble Log Pow (calculated): No data available

Autoignition Temperature: No data available **Decomposition Temperature:** No data available

Viscosity: No data available Percent Volatile by Volume: N/A

Section 10

Reactivity Data

Reactivity:

Chemical Stability:

Conditions to Avoid:

Incompatible Materials:

Hazardous Polymerization:

No data available

Stable under normal conditions.

None known.

Acids, Caustics (bases), Water-reactive materials

Will not occur

Section 11

Toxicity Data

Routes of Entry

Inhalation, ingestion, eye or skin contact.

Symptoms (Acute):

Delayed Effects:

No data available

Acute Toxicity:

Chemical Name No data available **CAS Number**

Oral LD50

Dermal LD50

Inhalation LC50

N/A

Not determined

Not determined

Not determined

Carcinogenicity:

Chemical Name

CAS Number

IARC

NTP

OSHA

No data available

N/A

Not listed

Not listed

Not listed

Chronic Effects:

Mutagenicity:

No evidence of a mutagenic effect.

Teratogenicity:

No evidence of a teratogenic effect (birth defect).

Sensitization:

No evidence of a sensitization effect. No evidence of negative reproductive effects.

Reproductive: **Target Organ Effects:**

Acute:

See Section 2

Chronic:

N/A

Section 12

Ecological Data

Overview:

This material is not expected to be harmful to the ecology.

Mobility:

No data No data

Persistence: Bioaccumulation:

No data

Degradability: Other Adverse Effects: No data No data

Chemical Name

CAS Number

Eco Toxicity

N/A

N/A

Section 13

Disposal Information

Disposal Methods:

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s):

Not Determined

Section 14

Transport Information

Ground - DOT Proper Shipping Name: Not regulated for transport by DOT.

Air - IATA Proper Shipping Name: Not regulated for air transport by IATA.

Section 15	Regulatory Information A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances. Product is for research and development use only.						
TSCA Status:							
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ	
No data available	N/A	No	No	No	No	No	

Section 16

Additional Information

Revised: 09/09/2015 Replaces: 08/13/2015 Printed: 06-22-2016

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.

Glossary	
----------	--

Ciossaiy			
ACGIH	American Conference of Governmental	NTP	National Toxicology Program
	Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL.	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health