

# Material Safety Data Sheet

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## Section 1: Chemical Product and Company Identification

Date Prepared: 05/12/2009  
Catalog Code: **8MB5512**  
Product: **Whole Blood Lysis Buffer**  
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.  
9025 Technology Drive  
Fishers, Indiana 46038

## Section 2: Composition / Information on Ingredients

Item#	Name	CAS#	% in Product
1	1, 3-Propanediol, 2-amino-2 (hydroxymethyl)-	000077861	0.8
2	Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt	000137166	5.0
3	Thicyanic acid, compd. with guanidine (1:1)	000593840	23.6
4	Trisodium citrate dihydrate	006132043	0.4
5	Urea	000057136	12.0
6	Water	007732185	50.0

### OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
000077861	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000137166	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000593840	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
006132043	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000057136	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

## Section 3: Hazard Identification

Causes eye irritation. May cause skin, eye, and respiratory tract irritation.

Hazard Ratings: These ratings are Bangs Laboratories, Inc.'s own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49). If no data is listed, the information is not available.

Health	Flammability	Reactivity
1	1	0



#### **Section 4: First Aid Measures**

Flush eyes with flowing water for at least 15 minutes. If breathing is difficult, contact emergency personnel. If swallowed, do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay. If swallowed, wash out mouth with water if person is conscious. Remove to fresh air. Wash skin with deluge of water for at least 15 minutes.

#### **SECTION 5: Fire Fighting Measures**

Flash Point, deg. F:	no data
Method:	no data
UEL:	no data
LEL:	no data
Autoignition Temperature, deg. F:	no data
Flammability:	no data
Flame Propagation:	no data
Hazardous Combustion Products:	carbon oxides

#### **Section 6: Accidental Release Measures**

Any information given below is considered to be in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition source from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

*Absorb liquids on absorbent material. Contain spilled liquids. Protect personnel from exposure. Use appropriate personal protective equipment.*

#### **Section 7: Handling and Storage**

Store at 2-8°C.

#### **Section 8: Exposure Controls and Personal Protection**

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

*Use chemical splash goggles and face shield. Use latex or equivalent gloves.*

#### **Section 9: Physical and Chemical Properties**

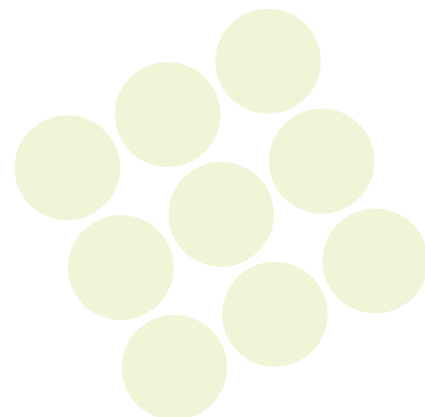
Formula:	mixture
Vapor Pressure:	no data
Formula Weight:	nap
Vapor Density:	no data
Boiling Point:	no data
Specific Gravity:	1
Melting Point:	no data
pH:	7-8
Solubility:	soluble
Appearance:	clear colorless liquid

#### **Section 10: Stability and Reactivity**

Chemical Stability:	stable
Conditions to Avoid:	no data
Incompatibility with Other Materials:	oxidizers
Hazardous Decomposition Products:	carbon products
Hazardous Polymerization:	will not occur

#### **Section 11: Toxicological Information**

Acute Data:	no data
Subchronic Data:	no data



## Section 12: Ecological Information

no data

## Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number, the substance may be subject to special federal and state disposal regulations. If no codes are listed, the material must be disposed of in compliance with all Federal, State, and Local Regulations.

<u>CAS#</u>	<u>Waste Code</u>	<u>Regulated Name</u>
000077861	not listed	not listed
000137166	not listed	not listed
000593840	not listed	not listed
006132043	not listed	not listed
000057136	not listed	not listed
007732185	not listed	not listed

## Section 14: Transport Information

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

## Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

*Prop 65:* Column A identifies those items which are known to the State of California to cause cancer. Column B identifies those which are known to the State of California to cause reproductive toxicity.

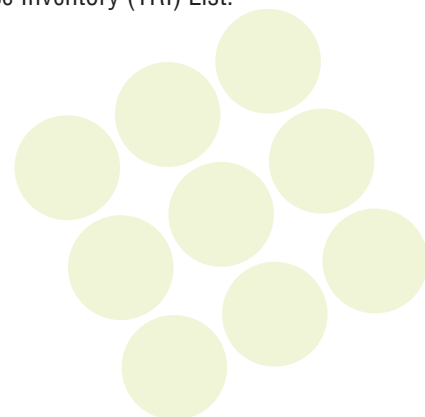
<u>CAS#</u>	<u>Column A</u>	<u>Column B</u>
000077861	no	no
000137166	no	no
000593840	no	no
006132043	no	no
000057136	no	no
007732185	no	no

*State Regulatory Information:* If CAS# is listed below, this material is subject to listed state's right-to-know requirements.

<u>CAS#</u>	
000077861	not listed
000137166	not listed
000593840	not listed
006132043	not listed
000057136	not listed
007732185	not listed

*SARA Toxic Release Chemicals (as defined in Section 313 of SARA Title III):* This list identifies the toxic chemicals, including their de minimis concentrations, for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

<u>CAS#</u>	<u>Regulated Name</u>	<u>de minimis conc. %</u>	<u>Rep. Thres.</u>
000077861	not listed	not listed	not listed
000137166	not listed	not listed	not listed
000593840	not listed	not listed	not listed
006132043	not listed	not listed	not listed
000057136	not listed	not listed	not listed
007732185	not listed	not listed	not listed



*SARA Extremely Hazardous Substances and TPQs:* This list includes chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 3-2 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

<u>CAS#</u>	<u>Regulated Name</u>	<u>TPQ (pounds)</u>	<u>EHS-RQ (pounds)</u>
000077861	not listed	not listed	not listed
000137166	not listed	not listed	not listed
000593840	not listed	not listed	not listed
006132043	not listed	not listed	not listed
000057136	not listed	not listed	not listed
007732185	not listed	not listed	not listed

*CERCLA:* The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

<u>CAS#</u>	<u>Regulated Name</u>	<u>RQ (pounds)</u>
000077861	not listed	not listed
000137166	not listed	not listed
000593840	not listed	not listed
006132043	not listed	not listed
000057136	not listed	not listed
007732185	not listed	not listed

#### **Section 16: Other Information**

BANGS LABORATORIES, INC. provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

BANGS LABORATORIES, INC. makes no representations or warranties, either expressed or implied, of merchantability or fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, BANGS LABORATORIES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

**END OF MSDS**

