

Material Safety Data Sheet

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Section 1: Chemical Product and Company Identification

Date Prepared: 05/12/2009
Catalog Code: **8MB5516**
Product: **Plant Lysis Buffer**
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.
9025 Technology Drive
Fishers, Indiana 46038

Section 2: Composition / Information on Ingredients

<u>Item#</u>	<u>Name</u>	<u>CAS#</u>	<u>% in Product</u>
1	1, 3-Propanediol, 2-amino-2 (hydroxymethyl)-	000077861	1.2
2	Acetic acid, (ethylenedinitrilo) tetra-, disodium salt, dihydrate	006381926	3.7
3	Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt	000137166	1.0
4	Water	007732185	92.5

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
000077861	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
006381926	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
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazard Identification

Low hazard for usual industrial or commercial handling.

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.

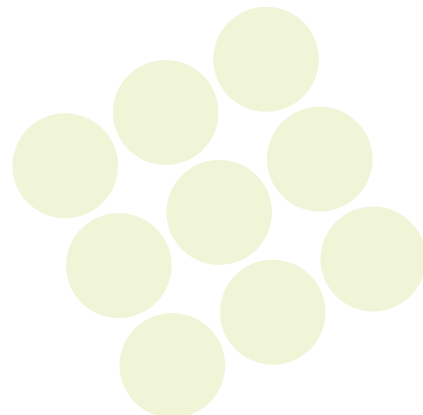
Health	Flammability	Reactivity
0	0	0

Section 4: First Aid Measures

No first aid measures are indicated.

SECTION 5: Fire Fighting Measures

Flash Point, deg. F:	not combustible
Method:	nap
UEL:	no data
LEL:	no data



Autoignition Temperature, deg. F:	no data
Flammability:	no data
Flame Propagation:	no data
Hazardous Combustion Products:	none

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.

No special measures are indicated.

Section 7: Handling and Storage

Store at room temperature.

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.

No special protection is indicated.

Section 9: Physical and Chemical Properties

Formula:	mixture
Vapor Pressure:	17.5mm Hg
Formula Weight:	no data
Vapor Density:	no data
Boiling Point:	212°F
Specific Gravity:	1
Melting Point:	32°F
pH:	8.0
Solubility:	complete
Appearance:	clear colorless liquid

Section 10: Stability and Reactivity

Chemical Stability:	stable
Conditions to Avoid:	none
Incompatibility with Other Materials:	strong reducing agents; acid chlorides; phosphorus trichloride; phosphorus pentoxide; phosphorus oxychloride
Hazardous Decomposition Products:	none
Hazardous Polymerization:	will not occur

Section 11: Toxicological Information

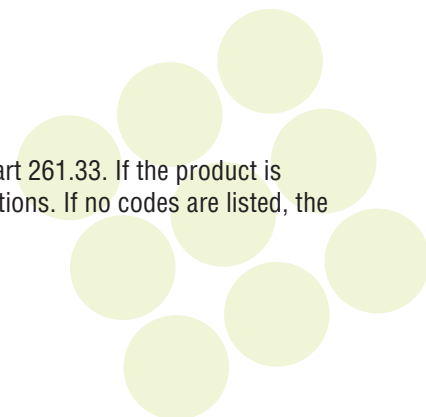
Acute Data:	no data
Subchronic Data:	no data

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 CRF 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
006381926	not listed	not listed
000137166	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
006381926	no	no
000137166	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
006381926	not listed
000137166	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.

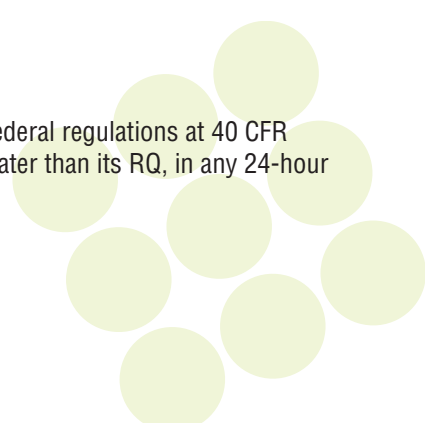
<u>CAS#</u>	<u>Regulated Name</u>	<u>de minimis conc. %</u>	<u>Rep. Thres.</u>
000077861	not listed	not listed	not listed
006381926	not listed	not listed	not listed
000137166	not listed	not listed	not listed
007732185	not listed	not listed	not listed

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
006381926	not listed	not listed	not listed
000137166	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
006381926	not listed	not listed



<u>CAS#</u>	<u>Regulated Name</u>	<u>RQ (pounds)</u>
000137166	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

