

Material Safety Data Sheet

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Section 1: Chemical Product and Company Identification

Date Prepared: 12/02/2008
Catalog Code: **2435A**
Product: **PolyLink Coupling Buffer Solution**
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	2-Methyl-4-isothiazolin-3-one	022682204	0.0002
2	4-Morpholineethanesulfonic acid	004432319	1.06
3	5-Chloro-2-methyl-4-isothiazolin-3-one	026172554	0.0005
4	Ethylene glycol	000107211	0.048
5	Water	007732185	99

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
022682204	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
004432319	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
026172554	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000107211	--						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	--	--	--	--	39.4	127
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazard Identification

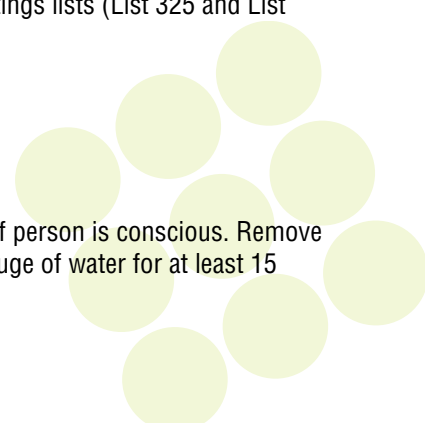
Causes skin, eye, and respiratory tract irritation.

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 swallowed, wash out mouth with water, if person is conscious. Remove contaminated clothing. Remove to fresh air. Separate eyelids with finger tips. Wash skin with deluge of water for at least 15 minutes.



SECTION 5: Fire Fighting Measures

Flash Point, deg. F:	>200
Method:	by inspection
UEL:	no data
LEL:	no data
Autoignition Temperature, deg. F:	no data
Flammability:	no data
Flame Propagation:	no data
Hazardous Combustion Products:	no data

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 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 process enclosures, local exhaust ventilation, or other engineering controls.

Section 9: Physical and Chemical Properties

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

Section 10: Stability and Reactivity

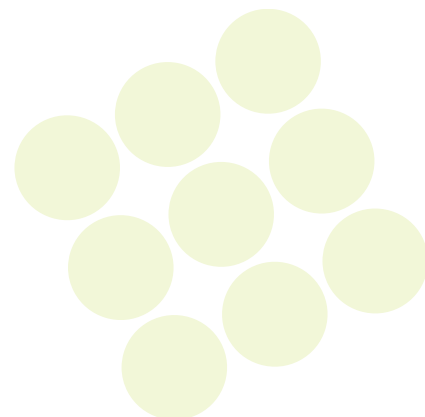
Chemical Stability:	stable
Conditions to Avoid:	no data
Incompatibility with Other Materials:	no data
Hazardous Decomposition Products:	no data
Hazardous Polymerization:	will not occur

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>
002682204	not listed	not listed
004432319	not listed	not listed
026172554	not listed	not listed
000107211	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>
002682204	no	no
004432319	no	no
026172554	no	no
000107211	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.

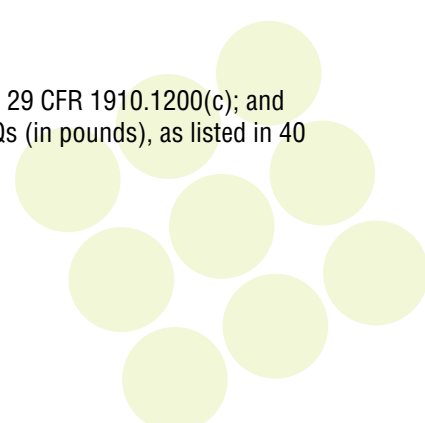
<u>CAS#</u>					
002682204	not listed				
004432319	not listed				
026172554	not listed				
000107211	FL	MA	MN	PA	WA
007732185	not listed				

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>
002682204	not listed	not listed	not listed
004432319	not listed	not listed	not listed
026172554	not listed	not listed	not listed
000107211	Ethylene glycol	1.0	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>
002682204	not listed	not listed	not listed
004432319	not listed	not listed	not listed



<u>CAS#</u>	<u>Regulated Name</u>	<u>TPQ (pounds)</u>	<u>EHS-RQ (pounds)</u>
026172554	not listed	not listed	not listed
000107211	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>
002682204	not listed	not listed
004432319	not listed	not listed
026172554	not listed	not listed
000107211	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

