

# Material Safety Data Sheet

Issue Date: 8/30/2013

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## Section 1: Chemical Product and Company Identification

Cat#: HBM56009

Part Name: QUENCHING SOLUTION: 1 M GLYCINE pH 8.0

Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976  
Telephone #215-343-6484

## Section 2: Composition/ Information on Ingredients

Item#	Name	CAS#	% in product
1	Glycine	0000056406	7.4
2	Water	0007732185	92.5

## OSHA (ACGIH) Exposure Limits

CAS#	Name	IDLH	TWA		STEL		CEILING	
			ppm	mg/	ppm	mg/m3	ppm	mg/m3
0000056406	Glycine	NE	NE	NE	NE	NE	NE	
0000056406	OSHA		NE	NE	NE	NE	NE	
0000056406	ACGIH		NE	NE	NE	NE	NE	
0007732185	Water	NE	NE	NE	NE	NE	NE	
0007732185	OSHA		NE	NE	NE	NE	NE	
0007732185	ACGIH		NE	NE	NE	NE	NE	

## Section 3: Hazards Identification

Low hazard for usual industrial or commercial handling.

Hazard Ratings:

These ratings are Polysciences' Inc. 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	1	0

## Section 4: First Aid Measures

## Section 5: Fire Fighting Measures

Flash point, deg F.: >200

Method: no data

UEL: no data LEL: no data

Autoignition temperature, deg. F.: no data

Flammability Classification: no data

Flame Propagation Rate: no data

Hazardous Combustion Products: no data

## Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources 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 4 deg. C.

## Section 8: Exposure Controls/ 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

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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:	no data
solubility:	soluble	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 in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
0000056406	not listed	not listed
0007732185	not listed	not listed

#### Section 14: Transportation Data

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 identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
0000056406	no	no
0007732185	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	
0000056406	not listed
0007732185	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.

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
0000056406	not listed	not listed	not listed
0007732185	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated name	TPQ (pounds)	EHS-RQ(pounds)
0000056406	not listed	not listed	not listed
0007732185	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 to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

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CAS#	Regulated name	RQ (pounds)
0000056406	Not listed	Not listed
0007732185	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS