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## **Section 1: Chemical Product and Company Identification**

Cat#: 23994 Part Name: MONOSTEP LOWICRYL HM20-NON POLAR EMBEDDING MEDIA Supplier: Polysciences, Inc. 400 Valley Road Warrington, PA 18976 USA MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

## Section 2: Hazards Identification

Hazard Overview

Causes skin and eye irritation. Flammable liquid and vapor. May cause allergic skin reaction. GHS Classification

Flammable Liquids Category 3

# Skin Irritant Cat 2, Eye Irritation Cat 2B

Skin Sensitizer Category 1B

Signal word: Danger



Hazard and Precautionary Statements

H226 Flammable liquid and
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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P280A	Wear protective gloves
P285	In case of inadequate ventilation wear respiratory protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305B	IF IN EYES, Separate eyelids with finger tips.
P315	Get immediate medical advice/attention.
P351	Rinse cautiously with water for several minutes.

# NFPA Rating

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
1	3	0

Section 3: Composition/ Information on Ingredients		Note: Items listed with a CASRN number have no CAS# available.		
Iter	n# Name	EINECS	CAS#	% in product
1	2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl)es	ster 203-652-6	0000109160	6 - 10
2	2-Propenoic acid, 2-methyl-, ethyl ester	202-597-5	0000097632	71 - 80

3	4-Methoxyphenol	205-769-8	0000150765	0 - 5
4	Acetophenone, 2-methoxy-2-phenyl	222-538-7	0003524627	0 - 5
5	n-Hexyl methacrylate	205-521-9	0000142096	11 - 20

## Section 4: First Aid Measures

Contact medical personnel immediately. Flush eyes with flowing water for at least 15 minutes. If swallowed, wash out mouth with water if person is conscious. 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.: 64
 Method:

 UEL: no data
 LEL: 1.8
 Autoignition temperature, deg. F.: 739 F

 Flammability Classification: IB
 Flame Propagation Rate: no data

 Hazardous Combustion Products: none
 Flame Propagation Rate: 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.

Remove ignition sources.

## Section 7: Handling and Storage

Store at 4 deg. C.

## Section 8: Exposure Controls/ Personal Protection

## **OSHA (ACGIH) Exposure Limits**

		TWA		STE	L	CEILI	NG
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 0000097632 OSHA	IDLH:	Not classifi					
ACGIH							
CAS#: 0000109160	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0000142096	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0000150765	IDLH:						
OSHA		Not classifi					
ACGIH			5				
CAS#: 0003524627	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

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.

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

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permiation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

## Section 9: Physical and Chemical Properties

Formula:	no data	vapor pressure:	21.3mbar
Formula Weight:	no data	vapor density:	>1
boiling point:	246	Specific gravity:	0.91
melting point:	-103 F	ph:	no data
solubility:	slight	appearance: colorless	liquid

#### Section 10: Stability and Reactivity

#### Chemical Stability stable

Conditions to Avoid: heat; ignition sources Incompatibility with other materials: oxidizers; initiators Hazardous Decomposition Products: none Hazardous Polymerization: will not occur

#### Section 11:Toxicological Information

Acute Data: LD oral rat 13424 mg/kg;LD50 dermal rabbit >9100 mg/kg; LC50 inhalation rat 8300 ppm/4H Subchronic data: Tests positive as mutagen on laboratory animals.

#### 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
0000097632	U118	Ethyl methacrylate
0000109160	not listed	not listed
0000142096	not listed	not listed
0000150765	not listed	not listed
0003524627	not listed	not listed

## Section 14: Transportation Data

Proper Shipping Name	<b>RESIN SOLUTION</b>
Chemical Name	
UN	UN1866
Class	3
PG	II

## Section 15: Regulatory Information

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

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.

Column A	Column B
no	no
	no no no no

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

CAS#
0707

0000097632	not listed
0000109160	not listed
0000142096	not listed
0000150765	

### not listed

## 0003524627 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.
0000097632	not listed	not listed	not listed
0000109160	not listed	not listed	not listed
0000142096	not listed	not listed	not listed
0000150765	not listed	not listed	not listed
0003524627	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)
0000097632	not listed	not listed	not listed
0000109160	not listed	not listed	not listed
0000142096	not listed	not listed	not listed
0000150765	not listed	not listed	not listed
0003524627	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.

CAS#	Regulated name	RQ (pounds)
0000097632	Not listed	Not listed
0000097632	2-Propenoic acid, 2-methyl-, ethyl ester	1,000
0000097632	Ethyl methacrylate	1,000
0000109160	Not listed	Not listed
0000142096	Not listed	Not listed
0000150765	Not listed	Not listed
0003524627	Not listed	Not listed

## Section 16: Other Information

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END OF MSDS