

Material Safety Data Sheet Issue Date: 11/13/2003

Section 1: Chemical Product and Company Identification

Cat#: 15924A

Part Name: MONOMER E SOLUTION (LOWICRYL HM20)

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	2-Propenoic acid, 2-methyl-, ethyl ester	000097632 80	
2	4-Methoxyphenol	000150765	0.01
3	n-Hexyl methacrylate	000142096 20	

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000097632	--						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	--	--	--	--	--	--
000142096	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000150765	--						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	--	5	--	--	--	--

Section 3: Hazards Identification

Flammable liquid and vapor.

Hazard Ratings:

These ratings are Polysciences' Inc. own assesments 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	----- 3	----- 0

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.: 76 Method: PMCC (DALARE 010301)

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

Flammability Classification: IB Flame Propagation Rate: no data

Hazardous Combustion Products: none

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

Section 9: Physical and Chemical Properties

Formula: no data vapor pressure: 21.3 mbar
Formula Weight: no data vapor density: >1
boiling point: 246 Specific gravity: 0.9
melting point: -103 F ph: no data
solubility: slight appearance: clear 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
000097632	U118	Ethyl methacrylate
000142096	not listed	not listed
000150765	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
000097632	no	no
000142096	no	no
000150765	no	no

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

CAS#	FL	MA	PA
000097632	FL	MA	PA
000142096	not listed		
000150765	FL	MA	MN PA WA

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.
000097632	not listed	not listed	not listed
000142096	not listed	not listed	not listed
000150765	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)
000097632	not listed	not listed	not listed
000142096	not listed	not listed	not listed
000150765	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
000097632	Not listed	Not listed
000142096	Not listed	Not listed
000150765	Not listed	Not listed

Section 16: Other Information

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END OF MSDS

