

Material Safety Data Sheet Issue Date: 1/27/2004

Section 1: Chemical Product and Company Identification

Cat#: 18163A

Part Name: MONOMER I SOLUTION (LOWICRYL K11M)

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-Ethoxyethyl methacrylate	002370630	18
2	2-Hydroxyethyl acrylate	000818611	28
3	2-Propenoic acid, 2-methyl-, butyl ester	000097881	16
4	4-Methoxyphenol	000150765	0.015
5	Hydroxypropyl methacrylate	027813021	38

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA ppm	mg/m3	STEL ppm	mg/m3	CEILING ppm	mg/m3
000097881	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000150765	--						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	--	5	--	--	--	--
000818611	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
002370630	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
027813021	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Causes respiratory tract irritation.

Causes severe skin and eye burns.

Harmful if swallowed.

May be fatal if absorbed through skin.

May cause allergic skin reaction.

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

Health	Flammability	Reactivity
2	----- 1	----- 2

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

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:
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 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.
Absorb liquids on absorbent material.
Contain spilled liquids.
Protect personnel from exposure.
Ventilate the area.

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 chemical splash goggles and face shield.
Use latex or equivalent gloves.
Use process enclosures, local exhaust ventilation, or other engineering controls.

Section 9: Physical and Chemical Properties

Formula: no data vapor pressure: no data
Formula Weight: no data vapor density: no data
boiling point: > 246 C Specific gravity: 1.029
melting point: no data ph: no data
solubility: 10.6 g/l appearance: liquid

Section 10: Stability and Reactivity

Chemical stable
Conditions to Avoid: heat, UV light, free radical initiators
Incompatibility with other oxidizing and reducing agents
Hazardous Decomposition none
Hazardous may occur

Section 11: Toxicological Information

Acute 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
000097881	not listed	not listed
000150765	not listed	not listed
000818611	not listed	not listed
002370630	not listed	not listed
027813021	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

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
000097881	no	no
000150765	no	no
000818611	no	no
002370630	no	no
027813021	no	no

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

CAS#					
000097881	FL	MA	PA		
000150765	FL	MA	MN	PA	WA
000818611	FL	MA	PA		
002370630	not listed				
027813021	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.
000097881	not listed	not listed	not listed	
000150765	not listed	not listed	not listed	
000818611	not listed	not listed	not listed	
002370630	not listed	not listed	not listed	
027813021	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)
000097881	not listed	not listed	not listed
000150765	not listed	not listed	not listed

000818611	not listed	not listed	not listed
002370630	not listed	not listed	not listed
027813021	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
000097881	Not listed	Not listed
000150765	Not listed	Not listed
000818611	Not listed	Not listed
002370630	Not listed	Not listed
027813021	Not listed	Not listed

Section 16: Other Information

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END OF MSDS