

Material Safety Data Sheet Issue Date: 4/16/2004

Section 1: Chemical Product and Company Identification

Cat#: 17978

Part Name: 2-N-MORPHOLINOETHYL METHACRYLATE

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, 2-(4-morpholinyl)ethyl ester	002997888	100
2	4-Methoxyphenol	000150765	0.01

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA ppm	mg/m3	STEL ppm	mg/m3	CEILING ppm	mg/m3
000150765	--						
OSHA:	Not	--	--	--	--	--	--
ACGIH:	--	5	--	--	--	--	--
002997888	NE						
OSHA:	NE	NE	NE	NE	NE	NE	NE
ACGIH:	NE	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Combustible.

May cause allergic skin reaction.

Toxic if swallowed.

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	----- 2	----- 0

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.: 250 Method: DIN 51758

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.
Contain spilled liquids.
Protect personnel from exposure.

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:
Formula Weight: 199.2 vapor density:
boiling point: 78 C/1.7mbar Specific gravity: 1.05
melting point: ph:
solubility: appearance: clear yellow liquid

Section 10: Stability and Reactivity
Chemical stable
Conditions to Avoid: heat, initiators, UV light
Incompatibility with other oxidizing agents, reducing agents
Hazardous Decomposition oxides of carbon
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
000150765	not listed	not listed
002997888	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
This product contains a component which does not appear on the TSCA public inventory. It is manufactured or imported only in small

quantities and solely for research and development.

All usage of this product must comply with 40 CFR 720.36.

This chemical substance must be used by, or directly under the supervision of, a technically qualified individual.

You must notify all persons who are engaged in experimentation, research, or analysis on the chemical substance, including the manufacture, possessing, use, transport, storage, and disposal of the substance of any known risk to health.

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
000150765	no	no
002997888	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	MN	PA	WA
000150765					
002997888	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.
000150765	not listed	not listed	not listed
002997888	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)
000150765	not listed	not listed	not listed
002997888	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
000150765	Not listed	Not listed
002997888	Not listed	Not listed

Section 16: Other Information POLYSCIENCES, 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. POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS