

Material Safety Data Sheet

Issue Date: 12/18/2008

Page 1 of 3

Section 1: Chemical Product and Company Identification

Cat#: 24897

Part Name: METHACRYLIC ACID (>99%)

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	4-Methoxyphenol	000150765	0.027
2	Hydroquinone	000123319	0.001
3	Methacrylic acid	000079414	100

OSHA (ACGIH) Exposure Limits

CAS#	Name	IDLH	TWA		STEL		CEILING	
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000079414		--						
OS			NIOSH	--	--	--	--	--
ACGIH			20	70	--	--	--	--
000123319		50 mg/m3						
OS			Not classifi	2	--	--	--	--
ACGIH			--	2	--	--	--	--
000150765		--						
OS			Not classifi	--	--	--	--	--
ACGIH			--	5	--	--	--	--

Section 3: Hazards Identification

Causes skin, eye and respiratory tract burns.
Harmful 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 available.

Health	Flammability	Reactivity
3	2	0

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.
If breathing is difficult, contact emergency personnel.
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.: 152 Method:
UEL: no data LEL: no data Autoignition temperature, deg. F.: 435 C
Flammability Classification: IIIA 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.

Protect personnel from exposure.
Ventilate the area.

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.

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:	C4H6O	vapor pressure:	1.29 hPa @ 25 C
Formula Weight:	86.1	vapor density:	>1
boiling point:	322	Specific gravity:	1.015
melting point:	60	ph:	2.0
solubility:	miscible	appearance:	clear colorless liquid

Section 10: Stability and Reactivity

Chemical Stabilit stable

Conditions to Avoid: heat; UV light

Incompatibility with other materials: peroxides; azo compounds; tertiary amines; heavy metal ions; sulfur compounds

Hazardous Decomposition Products: no data

Hazardous Polymerization: will not occur under normal conditions

Section 11: Toxicological Information

Acute Data: LD50 oral rat 2200 mg/kg; LD50 dermal rabbit 500 mg/kg; LC50 inhalation rat 7100 mg/m3 4 h

Subchronic data: no data

Section 12: Ecological Information

LC50 fish 85 mg/l 96 h; EC50 algae 0.59 mg.l 96 h

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
000079414	not listed	not listed
000123319	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

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
000079414	no	no
000123319	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	MN	PA	WA
000079414	FL	MA	MN	PA	WA
000123319	FL	MA	MI	MN	NJ PA
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.
000079414	not listed	not listed	not listed

000123319	Hydroquinone	1.0	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)
000079414	not listed	not listed	not listed
000123319	Hydroquinone	500/10,000	100
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)
000079414	Not listed	Not listed
000123319	Not listed	Not listed
000150765	Not listed	Not listed

Section 16: Other Information

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END OF MSDS