

Material Safety Data Sheet Issue Date: 10/22/2003

Section 1: Chemical Product and Company Identification

Cat#: 05810

Part Name: METHACRYLOYLCHOLINE METHYL SULFATE40% AQUEOUS

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	Ethanaminium, N,N,N-trimethyl-2- [(2-methyl-1-oxo-2-propenyl)oxy-, methyl sulfate	006891447	40
2	Water	007732185	60

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
006891447	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Causes skin and eye irritation.

Section 4: First Aid Measures

Contact medical personnel.

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.: not flammable Method: nap

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

Flammability Classification: nap Flame Propagation Rate: no data

Hazardous Combustion Products: nitrogen oxides

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.

No special measures are indicated.

Section 7: Handling and Storage

Keep away from light.

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

Section 9: Physical and Chemical Properties

Formula: C10H21NO6S vapor pressure: no data  
Formula Weight: 283.3 vapor density: no data  
boiling point: no data Specific gravity: 1.183  
melting point: no data ph: no data  
solubility: soluble appearance: colorless liquid

Section 10: Stability and Reactivity

Chemical Stability: stable  
Conditions to Avoid: heat  
Incompatibility with other materials: peroxides; oxidizing agents;  
catalysts; heavy metal salts; copper; rust; steel  
Hazardous Decomposition Products: nitrogen oxides and sulfur oxides  
Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: LD50 oral rat 2.3 ml/Kg  
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
006891447	not listed	not listed
007732185	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
006891447	no	no
007732185	no	no

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

CAS#	
006891447	not listed
007732185	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.
006891447	not listed	not listed	not listed	
007732185	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)
006891447	not listed	not listed	not listed
007732185	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
006891447	Not listed	Not listed
007732185	Not listed	Not listed

#### Section 16: Other Information

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END OF MSDS