

# Material Safety Data Sheet

Complies with EC no. 1907/2006  
Issue Date: 11/15/2013

## Section 1: Chemical Product and Company Identification

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Cat#: 02644

Part Name: PHENYL METHACRYLATE

Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976 USA  
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

## Section 2: Hazards Identification

Hazard Overview

Causes skin and eye burns.

Highly toxic if absorbed through skin.

May cause allergic respiratory reaction.

May cause allergic skin reaction.

Toxic if inhaled.

Toxic if swallowed.

GHS Classification

Acute Toxicity Inhalation Category 3

Acute Toxicity Oral Category 3

Respiratory Sensitizer Category 1B

Serious Eye Damage Cat 1C, Skin Corrosion Cat 1C, Eye Irritation Cat 2B

Skin Corrosion Category 1B

Skin Sensitizer Category 1B

Signal word: Danger



## Hazard and Precautionary Statements

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P280A	Wear protective gloves
P285	In case of inadequate ventilation wear respiratory protection.
P305B	IF IN EYES, Separate eyelids with finger tips.
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P351	Rinse cautiously with water for several minutes.
P361	Remove/Take off immediately all contaminated clothing.

#### NFPA Rating

#### Hazard Ratings:

These ratings are Polysciences' Inc. own assessments 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	1

#### Section 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

Item#	Name	EINECS	CAS#	% in product
1	Phenyl methacrylate	218-542-3	0002177700	95-100

#### Section 4: First Aid Measures

If swallowed, wash out mouth with water if person is conscious.

Remove contaminated clothing.

Remove to fresh air.

Separate eyelids with finger tips.

#### Section 5: Fire Fighting Measures

Flash point, deg F.: 140 F

Method: CC

UEL: no data LEL: no data

Autoignition temperature, deg. F.: no data

Flammability Classification: no data

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.

Absorb liquids on absorbent material.

Contain spilled liquids.

Protect personnel from exposure.

Use appropriate personal protective equipment.

#### Section 7: Handling and Storage

Store at 4 deg. C.

#### Section 8: Exposure Controls/ Personal Protection

##### OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
0002177700	NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

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.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

## Section 9: Physical and Chemical Properties

Formula:	C10H10O2	vapor pressure:	no data
Formula Weight:	162.2	vapor density:	no data
boiling point:	95-100 C	Specific gravity:	0
melting point:	no data	ph:	no data
solubility:	no data	appearance:	liquid

## Section 10: Stability and Reactivity

Chemical Stability stable  
Conditions to Avoid: heat, light  
Incompatibility with other materials: oxidizers, peroxides, amines, halogens  
Hazardous Decomposition Products: oxides of carbon, phenol  
Hazardous Polymerization: may occur

## Section 11: Toxicological Information

Acute Data: 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
0002177700	not listed	not listed

## Section 14: Transportation Data

Proper Shipping Name NOT REGULATED  
Chemical Name  
UN  
Class  
PG

## Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

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
0002177700	no	no

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

CAS#
0002177700 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.
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0002177700	not listed	not listed	not listed
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**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)
0002177700	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)
0002177700	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS