

Section 1: Chemical Product and Company Identification

Cat#: 00660D  
 Part Name: STYRENE (100-200PPM MEHQ)  
 Supplier: Polysciences, Inc.  
 400 Valley Road  
 Warrington, PA 18976  
 Telephone #215-343-6484

Section 2: Composition/ Information on Ingredients

| Item# | Name    | CAS#      | Fraction |
|-------|---------|-----------|----------|
| 1     | Styrene | 000100425 | 1        |

OSHA (ACGIH) Exposure Limits

| CAS#      | OSHA: ACGIH; CA | TWA |       | STEL |       | CEILING |       |
|-----------|-----------------|-----|-------|------|-------|---------|-------|
|           |                 | ppm | mg/m3 | ppm  | mg/m3 | ppm     | mg/m3 |
| 000100425 | OSHA: ACGIH; CA | 700 | 420   | a    | --    | 200a    | --    |
| IDLH: 700 | ACGIH:          | 20  | 85    | 40   | 40    | --      | --    |

Section 3: Hazards Identification

Causes skin, eye and respiratory tract irritation.  
 Flammable liquid and vapor.  
 Harmful if inhaled, absorbed through skin or swallowed.  
 May cause adverse reproductive effects.  
 Suspect cancer hazard.  
 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                ----- 3                ----- 0

Section 4: First Aid Measures

Contact medical personnel immediately.  
 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.: 89.6    Method:  
 UEL: 6.1    LEL: 1.1    Autoignition temperature, deg. F.: 914  
 Flammability Classification: no data    Flame Propagation Rate: no data  
 Hazardous Combustion Products: none

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.  
 Protect personnel from exposure.  
 Remove ignition sources.  
 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: C<sub>8</sub>H<sub>8</sub> vapor pressure: 4.3mm Hg @ 15 deg. C.

Formula Weight: no data vapor density: 3.6g/L boiling point: 88 Specific

gravity: 0.906

melting point: -24 ph: no data

solubility: no data appearance: clear colorless liquid

#### Section 10: Stability and Reactivity

Chemical Stability: stable if stored properly

Conditions to Avoid: heat; light

Incompatibility with other materials: initiators; oxidizers; copper and copper alloys Hazardous Decomposition Products: none

Hazardous Polymerization: may occur

#### Section 11: Toxicological Information

Acute Data: LD<sub>50</sub> oral rat 2650 mg/kg; LC<sub>50</sub> inhalation rat 12000mg/m<sup>3</sup>

Subchronic data: carcinogenic by RTECS criteria; equivocal tumorigenic agent by RTECS criteria

#### 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 |
|-----------|------------|----------------|
| 000100425 | 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 |
|-----------|----------|----------|
| 000100425 | no       | no       |

State Regulatory Information :If a CAS# is listed below this material is

subject to the listed state right-to-know requirements.

CAS#

000100425                    FL                    MA                    MI                    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. |
|-----------|----------------|------------------|--------------|
| 000100425 | Styrene 0.1    | 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) |
|-----------|----------------|--------------|----------------|
| 000100425 | 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  |
|-----------|----------------|------------|
| 000100425 | Not listed     | Not listed |

Section 16: Other Information

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END OF MSDS