

# Material Safety Data Sheet

Issue Date: 12/6/2006

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## Section 1: Chemical Product and Company Identification

Cat#: 08389

Part Name: XYLENE HISTOLOGY GRADE

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	Ethylbenzene	000100414	17
2	Xylenes	001330207	83

## OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
000100414	800	Not classifi	435	--	--	--	--
OSHA							
ACGIH		100	434	125	125	--	--
001330207	900	CANADA	435	--	--	--	--
OSHA							
ACGIH		100	434	150	150	--	--

## Section 3: Hazards Identification

Causes eye irritation.

Flammable liquid and vapor.

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
2	3	0

## Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If swallowed, NO NOT INDUCE vomiting. Give 8 oz. of water or milk to drink. Call a physician or the POISON CONTROL CENTER immediately.

Never give anything by mouth to an unconscious person.

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.: 79

Method: TCC

UEL: 12.3

LEL: 1.9

Autoignition temperature, deg. F.: 930

Flammability Classification: IC

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.

Remove ignition sources.

## Section 7: Handling and Storage

Store at room temp

## 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: no data vapor pressure: 14.2 mm Hg at 100 deg. F.  
Formula Weight: 106.17 vapor density: no data  
boiling point: 282 Specific gravity: 0.87  
melting point: -31 ph: no data  
solubility: <0.10% appearance: clear colorless liquid

**Section 10: Stability and Reactivity**

Chemical Stability: stable  
Conditions to Avoid: none  
Incompatibility with other materials: none  
Hazardous Decomposition Products: none  
Hazardous Polymerization: will not occur

**Section 11: Toxicological Information**

Acute Data: no data  
Subchronic data: ethylbenzene caused increases in certain types of cancer in animals over lifetime studies.

**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
000100414	not listed	not listed
001330207	U239	Xylene (mixed isomers)

**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
000100414	no	no
001330207	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	NJ	PA	WA
000100414	FL	MA	MN	NJ	PA	WA
001330207	FL	MA	MI	MN	NJ	PA

**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.
000100414	Ethylbenzene	1.0	not listed
001330207	Xylene (mixed isomers)	1.0	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)
000100414	not listed	not listed	not listed
001330207	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)
000100414	Not listed	Not listed
001330207	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS