

Section 1. Product and Company Identification

Item Number: c823-1
 Common Name: Xylene Histologic Grade
 Intended Use: In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

70 Cleveland Ave
 Bay Shore, NY 11706
 631-586-0400
 polyrnd@polyrnd.com
 www.polyrnd.com

Section 2. Hazard Identification

226 Flammable Liquids Cat 3
 304 Aspiration hazard Cat 1
 312 Acute toxicity, dermal Cat 4
 315 Skin corrosion/irritation Cat 2
 320 Serious eye damage/eye irritation Cat 2B
 332 Acute toxicity, inhalation Cat 4
 335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3
 350 Carcinogenicity Cat 1A, 1B
 361 Reproductive toxicity Cat 2
 370 Specific target organ toxicity, single exposure Cat 1



Danger

Flammable liquid and vapour. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. Causes eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause cancer. Causes damage to organs.

Obtain special instructions before use. Do not handle until all precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only in a cool, well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. In case of fire: Use appropriate media to extinguish. Wash hands/skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a poison center/doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If exposed or concerned: Get medical advice/attention. Keep container tightly closed and locked up. Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m ³)	STEL(mg/m ³)	CEIL(mg/m ³)	Concentration Range
Ethyl Benzene	100-41-4		435.00	125.00	50-100%
Xylene	1330-20-7		651.00		0-5%

Section 4. First Aid Measures

Eye Contact: Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention

Ingestion: Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention

Inhalation: Move person to fresh air. If necessary give CPR; warning this could pose a risk of exposure to the rescue breather. Seek medical attention

The most important known symptoms and effects are described in section 2 and/or section 11.

Section 5. Fire Fighting Measures

Extinguishing Media: Dry Chemical, Carbon Dioxide, Water Spray, Alcohol Foam

Special Fire and Explosion Remarks: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special: Warning! Flammable! Pick up spill with absorbent vermiculite.

Spill Cleanup: Take up spills with absorbant material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.

Section 7. Handling and Storage

Storage and Handling Special: N/A

Storage and handling: Keep container tightly closed. Store in a cool, dry area and protect from physical damage

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment: Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator

This information is provided as a guide but proper PPE can only be determined by the end user and their situation.

Engineering Controls: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.

Section 9. Physical and Chemical Properties

Appearance	Evaporation Rate.....: N/A	Water Soluable?	Yes
Odor.....: Benzene-Like Odor	Upper Flammability Limit (%): N/A	Volatile Percent	100
Odor Threshold.....: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient.....: n-octanol/water: N/A	
pH.....: N/A	Specific Gravity (@ 20C).....: 87	Auto Ignition Temp.	N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg).....: 9	Decomposition Temp.....: N/A	
Boiling Point.....: N/A	Vapor Density (Air=1).....: 3.7	Viscosity	N/A
Flash Point (F) TCC.....: N/A	Relative Density.....: N/A		

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxicological Information

Routes of Entry: Inhalation, Skin absorption, Ingestion

Animal Toxicity: Xylene: Acute Oral (LD50) 4300 mg/kg (Rat); Acute Dermal (LD50) 20000 mg/kg (Rabbit); Ethyl Benzene: Acute Oral (LD50) 3.5 g/kg; Acute Dermal (LD50) 17 g/kg (Rabbit)

Human Toxic Effects: Target Organs: CNS

Potential Acute Health Effects: Hazardous in case of eye, skin contact, inhalation, ingestion

Potential Chronic Health Effects: Ethyl Benzene: IARC Code 2B; Xylene: IARC Code 3

Section 12. Ecological Information

Ecological Information: N/A

Section 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with local, state and federal laws.

Section 14. Transport Information

DOT Identification: UN1307; Xylenes 3, III

Section 15. Regulatory Information

State Regulations: New York release reporting list: Xylene (Mixed)

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Ethyl Benzene	100-41-4	No	No	No	No	No	No	Yes	Yes	No
Xylene	1330-20-7	No	No	No	No	No	Yes	Yes	Yes	No

Section 16. Other Information

Review Date: 12/8/2015

Reviewed by: ddi

MSDS Group Id: 366

Notice: This MSDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.

While this MSDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.