



# SAFETY DATA SHEET

GHS FORMAT

Issue Date: 5/22/15  
Last Revised Date: 12/30/15

Xylene

Distributed By:



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## 1. IDENTIFICATION

<b>PRODUCT NAME</b>	Xylene
<b>SYNONYMS</b>	Dimethylbenzene, Benzene, Xylol
<b>RECOMMENDED USE/RESTRICTIONS</b>	For industrial use only
<b>MANUFACTURER</b>	Mid-America Chemical Corporation 4701 Spring Road Brooklyn Heights, OH 44131 Phone: (216) 749-0100 Fax: (216) 749-7041 Email: info@midamericachem.com
<b>EMERGENCY PHONE NUMBER</b>	ChemTel Inc. 1(800) 255-3924 Contract: MIS4545

## 2. HAZARDS IDENTIFICATION

<b>HAZARD DESIGNATION</b>	Flammable Liquid
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GHS CLASSIFICATION:		
HEALTH	ENVIRONMENTAL	PHYSICAL
Skin Corrosion/Irritation, Category 2		Flammable Liquids, Category 2

GHS LABEL:	
 Flame	 Exclamation Mark
<b>DANGER</b>	<b>WARNING</b>
H225: Highly flammable liquid and vapour	H315: Causes skin irritation
<b>WARNING</b>	
PRECAUTIONARY STATEMENT(S)	
<b>PREVENTION:</b>	
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.	



Issue Date: 5/22/15  
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# SAFETY DATA SHEET

GHS FORMAT

## Xylene

<p>P233: Keep container tightly closed.  P240: Ground/Bond container and receiving equipment  P241: Use explosion-proof electrical/ventilating/lighting/equipment.  P242: Use only non-sparking tools.  P243: Take precautionary measures against static discharge.  P264: Wash with soap thoroughly after handling.  P280: Wear protective gloves/eye protection/face protection</p>
<b>RESPONSE:</b>
<p>P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  P332 + P313: If skin irritation occurs: Get medical advice/attention.  P362: Take off contaminated clothing and wash before reuse.  P370 + P378: In case of fire: Use alcohol foam, carbon dioxide, or water for extinction.</p>
<b>STORAGE:</b>
P403 + P235: Store in a well-ventilated place. Keep cool.
<b>DISPOSAL:</b>
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	WEIGHT %	CAS
Dimethylbenzene	100%	1330-20-7

### 4. FIRST AID MEASURES

<b>EYES</b>	Flush eyes with water for 15 minutes. Get medical attention.
<b>SKIN</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>INGESTION</b>	Immediately drink two glasses of water or milk. Do not induce vomiting. Get medical attention.
<b>INHALATION</b>	Remove victim to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

<b>SUITABLE EXTINGUISHING MEDIA:</b>	SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray or fire fighting foam. LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective
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## Xylene

	for fighting the fire, but may be used to cool fire exposed containers. Keep containers and surroundings cool with water spray.
<b>FIRE FIGHTING PROCEDURES:</b>	Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam. Exposure to decomposition products may be a hazard to health. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	None
<b>COMBUSTION PRODUCTS:</b>	Extremely flammable liquid and vapor. This material is combustible/flammable and is sensitive to fire, heat, and static discharge.

## 6. ACCIDENTAL RELEASE MEASURES

<b>SMALL SPILL:</b>	Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source.
<b>LARGE SPILL:</b>	Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source. Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. If this material is released into a work area, evacuate the area immediately.
<b>ENVIRONMENTAL PRECAUTIONS</b>	
<b>WATER SPILL:</b>	Keep material out of storm sewers and ditches that lead to waterways.
<b>LAND SPILL:</b>	Spills and releases may have to be reported to federal and/or local authorities.
<b>AIR SPILL:</b>	Control or stop the loss of volatile materials to the atmosphere.
<b>SPECIAL PROTECTIVE EQUIPMENT:</b>	Wear suitable protective clothing, gloves and eye/face protection.



Issue Date: 5/22/15  
Last Revised Date: 12/30/15

# SAFETY DATA SHEET

GHS FORMAT

**Xylene**

## 7. HANDLING AND STORAGE

<b>HANDLING:</b>	Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated. Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools.
<b>STORAGE:</b>	Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage. Empty containers may contain toxic, flammable and explosive residue or vapors. Do not cut, grind, drill, or weld on or near containers unless precautions are taken against these hazards.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS				
Component	OHSA		ACGIH	
	TWA	STEL	TWA	STEL
Dimethylbenzene	100ppm		100ppm	

<b>ENGINEERING CONTROLS</b>	Use only in a well ventilated area. Use explosion-proof ventilation equipment.
<b>PERSONAL PROTECTIVE EQUIPMENT</b>	
<b>EYES AND FACE:</b>	Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).
<b>SKIN:</b>	Wear chemical resistant neoprene, butyl rubber or vinyl gloves.
<b>RESPIRATORY:</b>	NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate



Issue Date: 5/22/15  
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GHS FORMAT

## Xylene

	protection.
<b>PROTECTIVE CLOTHING:</b>	Wear protective gloves and clean body-covering clothing. Chemically resistant clothing and boots may be required.
<b>WORK HYGIENIC PRACTICES</b>	Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking. Provide safety shower and eye wash station in work area.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Aromatic petroleum
<b>APPEARANCE:</b>	Clear, colorless liquid
<b>pH:</b>	Neutral
<b>PERCENT VOLATILE:</b>	100%
<b>VAPOR PRESSURE:</b>	6.7mmHg
<b>VAPOR DENSITY:</b>	3.7
<b>BOILING POINT:</b>	277°F
<b>FREEZING POINT:</b>	-139°F
<b>FLASHPOINT AND METHOD:</b>	64.4°F (TCC)
<b>SOLUBILITY IN WATER:</b>	Negligible
<b>EVAPORATION RATE:</b>	0.77
<b>SPECIFIC GRAVITY:</b>	0.861
<b>VISCOSITY:</b>	<1 Centipoise

**NOTE:** The information in this section is calculated from specific known information about this product. This information should not be used as exact test results or specifications. The information is provided as typical properties for this product.

### 10. STABILITY AND REACTIVITY

<b>STABLE:</b>	Yes
<b>HAZARDOUS POLYMERIZATION:</b>	No
<b>STABILITY:</b>	Stable under ordinary conditions of use and storage.
<b>CONDITIONS TO AVOID:</b>	Heat, flames, and other sources of ignition.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon dioxide and/or carbon monoxide
<b>INCOMPATIBLE MATERIALS:</b>	Strong oxidizing agents



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## Xylene

### 11. TOXICOLOGICAL INFORMATION

#### Dimethylbenzene

*Acute Toxicity:* No data available

*Inhalation:* No data available

*Dermal:* No data available

*Corrosion/Irritation:*

Skin: No data available

Eyes: No data available

*Sensitization:*

Respiratory: No data available

Skin: No data available

*Germ cell mutagenicity:* No data available

*Carcinogenicity*

IARC: 2B- Group 2B: Possibly carcinogenic to humans

IARC: 3- Group 3: Not classifiable as to its carcinogenicity to humans

NTP: No component of this product at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

OSHA: No component of this product at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA

*Reproductive toxicity:* No data available

*STOT*

Single exposure: No data available

Repeated exposure: No data available

*Aspiration Hazard:* No data available

### 12. ECOLOGICAL INFORMATION

#### Dimethylbenzene

*Toxicity:* No data available

*Persistence and degradability:* No data available

*Bioaccumulative potential:* No data available

*Mobility in soil:* No data available

*Results of PBT and vPvB assessment:* PBT and vPvB assessment not available as chemical safety assessment not required/not conducted

*Other adverse effects:* An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of waste and residues in accordance with local authority requirements. Mix



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## Xylene

with compatible chemical which is less flammable and incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

### 14. TRANSPORTATION INFORMATION

**Important Note:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

#### DOT:

**UN Number:** UN 1307

**UN Proper Shipping Name:** Xylene

**Transport Hazard Class(es):** 3

**Packing Group:** II

**Environmental Hazards:** N/A

### 15. REGULATORY INFORMATION

*This safety datasheet complies with the requirements of 29 CFR §1910.1200*

#### Dimethylbenzene:

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethylbenzene

Xylene

SARA 311-312 Hazards

Fire hazard, acute health hazard, chronic health hazard

Massachusetts Right to Know Components

Ethylbenzene

Xylene

Pennsylvania Right to Know Components

Ethylbenzene

Xylene

New Jersey Right to Know Components

Ethylbenzene

Xylene

California Prop. 65 Components

WARNING! This product contains a chemical known the State of California to cause cancer

Ethylbenzene



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Xylene

## 16. OTHER INFORMATION

### HMIS RATINGS:

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

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**Disclaimer:** The information contained herein is accurate to the best of our knowledge. Mid-America Chemical Corp. makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

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