



# Material Safety Data Sheet



### HMIS

Health Hazard	2
Fire Hazard	3
Reactivity	0

PPE (See Section 15)



## Section 1. Chemical Product and Company Identification

Trade Name	<b>Xylene Solubility Test</b>	Part #	RE2067
		CAS #	1330-20-7
Manufacturer	Haztech Systems, Inc. PO Box 929 Mariposa, CA 95338	RTECS	ZE2100000
		TSCA	TSCA 8(b) inventory: Xylenes
Commercial Name	Xylenes	CI #	
Synonyms	Dimethylbenzene		
Chemical Formula	C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>		
Supplier	Spectrum Chemical Mfg. Corp. 14422 S. San Pedro St. Gardena, CA 90248		

In case of emergency contact CHEMTREC (24 hours) at 800-424-9300

HazTech Systems, Inc. 800-543-5487

Spectrum Chemical Mfg. Corp. 310-516-8000

## Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m <sup>3</sup> )	STEL	CEIL (mg/m <sup>3</sup> )	
Xylenes	1330-20-7	435	651		100%

Toxicological Data on Ingredients: Xylenes: ORAL (LD50): Acute: 4300 mg/kg (Rat). 6100 mg/kg (Rat). VAPOR (LC50): Acute: 5000 ppm 4 hour(s) (Rat).

## Section 3. Hazards Identification

Potential Acute Health Effects: Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator). Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, lungs, the nervous system, liver, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

## Section 5. Fire and Explosion Data

Flammability	Flammable.
Auto-Ignition Temperature	464°C (867.2°F)
Flash Point	CLOSED CUP: 29°C (84.2°F). (Setaflash) OPEN CUP: 37.8°C (100°F).
Flammable Limits	LOWER: 1% UPPER: 7%
Products of Combustion	These products are carbon oxides (CO, CO <sub>2</sub> ).
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks, of oxidizing materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive to explosive in presence of oxidizing materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder.
Special Remarks on Fire Hazards	Not applicable.

## Section 6. Accidental Release Measures

Small Spill Absorb with an inert material and put the spilled material in an appropriate waste disposal.

## Section 7. Handling and Storage

Precautions If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage Keep in HazCat Kit.

## Section 8. Exposure Controls/Personal Protection

Engineering Controls Use in a well ventilated area.

Personal Protection Gloves and goggles.

## Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Volatility	Not available
Molecular Weight	106.17 g/mole	Odor Threshold	Not available
pH (1% Solution in Water)	Not available	Water/Oil Dist. Coeff.	Not available
Boiling Point	138.5°C (281.3°F)	Ionicity (in Water)	Not available
Melting Point	Not available	Dispersion Properties	Not available
Critical Temperature	Not available	Solubility	Slightly soluble in water
Specific Gravity	0.864 (Water = 1)	Odor	Not available
Vapor Pressure	6 mm of Hg (@ 20°C)	Taste	Not available
Vapor Density	3.66 (Air = 1)	Color	Colorless

## Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Non-corrosive in presence of glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Not available.		

## Section 11. Toxicological Information

Route of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 4300 mg/kg (Rat). Acute toxicity of the vapor (LC50): 5000 ppm 4 hours (Rat).
Chronic Effects on Humans	The substance is toxic to blood, kidneys, lungs, the nervous system, liver, mucous membranes.
Other Toxic Effects on Humans	Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal.
Special Remarks on Other Toxic Effects on Humans	Not available.

## Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.

**Section 13. Disposal Considerations**

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

**Section 14. Transport Information**

DOT Classification Class 3: Flammable liquid.

Identification Xylenes : UN1307 PG: III

Special Provisions for Transport Not applicable.

**Section 15. Other Regulatory Information and Pictograms**

Federal and State Regulations Pennsylvania RTK: Xylenes  
 Massachusetts RTK: Xylenes  
 TSCA 8(b) inventory: Xylenes  
 SARA 313 toxic chemical notification and release reporting: Xylenes  
 CERCLA: Hazardous substances.: Xylenes

California Proposition 65 Warnings

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other classifications WHMIS (Canada) CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).  
 CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC) R10- Flammable.  
 R38- Irritating to skin.  
 R41- Risk of serious damage to eyes.

**Section 16. Other Information**

Part Number(s) RE2067

References Not available.

Other Special Considerations Not available.

Validated by R. Houghton 5/13/02

Verified by R. Turkington

Call 1-800-543-5487

**Notice to Reader**

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be 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 technical data judged to be reliable, Haztech Systems, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.