

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name	Xylene 99.9+% Electronic/ Cleanroom Grade
CAS number	1330-20-7
Synonyms	Xylol

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory chemicals, manufacturing chemicals
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#### 1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquid and vapor:	Category 3
Acute toxicity oral:	Category 4
Skin corrosion / skin irritation:	Category 2
Serious eye damage / eye irritation:	Category 2A
Special target organ systemic toxicity repeated exposure:	Category 1
Acute aquatic environmental hazards:	Category 3

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statements:

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Causes damage to liver, kidney, and blood through prolonged or repeated exposure to skin or inhalation. Harmful to aquatic life.

Precautionary Statements:

Keep away from heat, flames, and hot surfaces. No smoking. Keep container tightly closed. Use explosive-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe fumes/gas/mist/vapors. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release into the environment. Wear protective gloves, clothing, and eye and face protection. If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. If swallowed, call a physician if you feel unwell. If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing. If in eyes, rinse cautiously with water for several minutes. Get medical advice/attention if you feel unwell. Rinse mouth. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire, use foam, dry chemical, or carbon dioxide to extinguish.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
m-Xylene	-	108-38-3	36-58%
o-Xylene	-	95-47-6	13-16%
p-Xylene	-	106-42-3	<18%
Ethyl Benzene	-	100-41-4	13-18%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

#### If inhaled

Inhalation of vapors irritates the respiratory tract. If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention.

- In case of skin contact** May cause irritation with redness and pain. May be absorbed through the skin with possible systemic effects. Flush skin with water for 15 minutes. Prolonged exposure can cause burns and may result in permanent skin damage.
- In case of eye contact** May cause severe irritation to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally. Vapors cause irritation.
- If swallowed** Ingestion causes irritation and burning of the gastrointestinal tract. Get medical attention immediately. Minute amounts aspirated into the lungs can cause severe hemorrhagic pneumonitis with severe pulmonary injury or death.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** Foam, carbon dioxide and dry chemicals.

**Unsuitable extinguishing media** No information available.

#### 5.2 Specific hazards arising from the substance or mixture

Above flash point, vapor-air mixtures are explosive. Contact with strong oxidizers may cause fire or explosion. Vapors are heavier than air and can flow along surfaces to distant ignition sources and flash back.

#### 5.3 Special protective equipment and precautions for firefighters

Wear full protective clothing and NIOSH self-contained breathing apparatus. Thermal decomposition produces toxic fumes. Contact with oxidizing reagents may cause extremely violent combustion.

#### 5.4 Further information

**Flash Point** 29 °C

**Autoignition Temperature** 464 °C

##### Explosion limits

**Upper** 7.0

**Lower** 1.0

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge**

Sensitive to static discharge.

**NFPA**

Health	Flammability	Instability	Physical hazards
1	3	0	N/A

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

No information available.

### 6.2 Environmental precautions

No information available.

### 6.3 Methods and materials for containment and cleaning up

Ventilate area of leak or spill. Clean up personnel should wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with absorbent material such as vermiculite or sand. Transfer to a closed container and send to an approved waste disposal facility. Remove all ignition sources.

### 6.4 Reference to other sections

See section 2 for full list of hazard and precaution statements.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Precautions on safe handling

No information available.

#### Hygiene measures

No information available.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Store in a cool dry place. Do not store near incompatible products, ignition sources, or open flame. Store away from direct sunlight.

#### Incompatibilities

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

No information available.

**US. ACGIH Threshold Limit Values**

No information available.

**US. NIOSH: Pocket Guide to Chemical Hazards**

No information available.

**Biological occupational exposure limits**

No information available.

**8.2 Exposure controls****Appropriate engineering controls**

No information available.

**Personal protective equipment****Eye/face protection**

Where adequate ventilation is not available, use NIOSH approved vapor respirator with organic filters. Local ventilation through fume hoods or laminar flow stations is also preferred. Keep fumes away from ignition sources, sparks, or flame. Safety goggles / face shield.

**Skin protection**

Skin contact should be minimized through use of impervious rubber gloves.

**Body Protection**

Steel tipped shoes, chemical safety chemical retardant clothing.

**Respiratory protection**

If exposure limits are exceeded, wear NIOSH/MESA approved full or half face piece (with goggles) respiratory protective equipment. A respiratory protection program complying with requirements of 29CFR 1910.134 is recommended.

**Control of environmental exposure**

No information available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical State	Liquid
Appearance	Colorless
Odor	Pungent aromatic
Odor Threshold	No information available.
pH	No information available.
Melting Point/Range	-25 °C

Boiling Point/Range	140 °C
Evaporation Rate	0.7
Flammability (solid)	Highly flammable.
Flammability or explosive limit	
Upper	1.0
Lower	7.0
Vapor Pressure	No information available.
Vapor Density	3.7
Density	0.85 g/cc
Solubility	Insoluble in water.
Partition coefficient; n-octanol/water	No information available.
Autoignition Temp	No information available.
Decomposition Temp	No information available.
Viscosity	No information available.
Molecular Formula	(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>
Molecular Weight	106.17
VOC Content(%)	No information available.
Oxidizing properties	No information available.

## 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Excess heat, sunlight.

### 10.5 Incompatible materials

Water, alcohol, strong oxidizing agents, strong acids, amines.

### 10.6 Hazardous decomposition products

Ammonia, oxides of nitrogen, silicon dioxide, carbon monoxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

#### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xylene	4,200 mg/kg (rat)	>1,700 mg/kg (rabbit)	5,000 ppm/4 hours

**Skin corrosion/irritation**

No information available.

**Serious eye damage/eye irritation**

No information available.

**Respiratory or skin sensitization**

No information available.

**Germ cell mutagenicity**

Investigated.

**Carcinogenicity**

Investigated tumorigenic. No additional information available.

**Specific target organ toxicity - single exposure**

No information available.

**Specific target organ toxicity - repeated exposure**

No information available

**Reproductive toxicity**

Investigated.

**Chronic effects**

No information available

**11.2 Additional Information**

No information available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product		Species	Test Results
Xylenes	LC50	Fish	10-100 mg/L

**12.2 Persistence and degradability**

When released into the air, this material is expected to be moderately degraded by reaction with photochemically produced hydroxyl radicals.

**12.3 Bio accumulative potential**

This material is not expected to bioaccumulate.

**12.4 Mobility in soil**

When released into the soil or water, this material is expected to evaporate to a moderate extent.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

#### DOT (US)

UN No.	UN1307
Proper Shipping Name	XYLENES
Hazard Class	3
Packing Group	II

#### IMDG

UN No.	UN1307
Proper Shipping Name	XYLENES
Hazard Class	3
Packing Group	II

#### IATA

UN No.	UN1307
Proper Shipping Name	XYLENES
Hazard Class	3
Packing Group	II

## SECTION 15: Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.



**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not regulated.

**SARA 304 Emergency release notification**

Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Regulated

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not regulated.

**SARA 311/312 Hazardous**

Not regulated.

**SARA 313 (TRI reporting)**

Regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

Not regulated

**FEMA Priority Substances Respiratory Health and Safety in the Flavor  
Manufacturing Workplace**

Not listed

**US state regulations**

**US. Massachusetts RTK - Substance List**

Not listed

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed

**California Proposition 65**

Not listed

**SECTION 16: Other information**

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## **SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.