



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	See Section 3
Synonyms	No information available

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

Identified uses	Laboratory 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)

H226: Flammable liquid and vapor	Category 3
H302: Acute toxicity oral	Category 4
H315: Skin corrosion / skin irritation	Category 2
H319: Serious eye damage / eye irritation	Category 2A
H372: Special target organ systemic toxicity repeated exposure	Category 1
H402: Acute aquatic environmental hazards	Category 3

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal Word	Danger
Hazard statements	Flammable liquid and vapor 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	P210 Keep away from heat, flames, and hot surfaces. No smoking. P233 Keep container tightly closed. P241 Use explosive-proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe fume/gas/mist/vapors P264 Wash thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P273 Avoid release into the environment. P280 Wear protective gloves, clothing, and eye and face protection. P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. P301 + P312 If swallowed, call a physician if you feel unwell. P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing. P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes. P314 Get medical advice/attention if you feel unwell. P330 Rinse mouth. P332 + P313 If skin irritation occurs, get medical advice/attention. P337 + P313 If eye irritation persists, get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P370 + P378 In case of fire use foam, dry chemical, or carbon dioxide to extinguish. P403 + P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

Warning. Cancer - <https://www.p65warnings.ca.gov/>

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
m-Xylene	No information available	108-38-3	36 - 58%
o-Xylene	No information available	95-47-6	13 - 18%
p-Xylene	No information available	106-42-3	<18%
Ethyl Benzene	No information available	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 chemical.
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. Sensitive to static discharge.

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

5.4 Further information

Flash Point 29 °C

Autoignition Temperature 464 °C

Explosion limits

Upper 1.0

Lower 7.0

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

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

No information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No information available.

Hygiene measures

No information available.

7.2 Conditions for safe storage, including any incompatibilities**Storage conditions**

Store below 80 degrees F. Store in a cool dry place. Do not store near incompatible products, ignition sources, or open flame. Store away from direct sunlight.

Incompatibilities

See Section 10.

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**

Local ventilation through fume hoods or laminar flow stations is preferred. Keep fumes away from ignition sources, sparks, or open flame.

Personal protective equipment**Eye/face protection**

Safety goggles/face shield.

Skin protection

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

Body Protection

Steel tipped shoes/eye wash station/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.

Where adequate ventilation is not available, use NIOSH approved vapor respirator with organic filters.

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 data available
pH	No data available
Melting Point/Range	-25 °C
Boiling Point/Range	140 °C
Evaporation Rate	0.7 (Butyl Acetate = 1)
Flammability (solid)	No data available
Flammability or explosive limit	
Upper	1.0
Lower	7.0
Vapor Pressure	8 mm Hg at 25 °C,
Vapor Density	3.7
Density	Specific Gravity of 0.85 g/cc
Solubility	Insoluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temp	464°C
Decomposition Temp	No data available
Viscosity	No data available
Molecular Formula	No data available
Molecular Weight	No data available
VOC Content(%)	100
Oxidizing properties	No data 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 under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Contact with water. Temperatures above the flash point in combination with sparks, open flames, or ignition sources. 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 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 99.9%	Rat: 4,200 mg/kg	Rabbit: <1,700 mg/kg	Rat: 5,000 ppm/4 hours

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation

Irritating to eyes.

Respiratory or skin sensitization

Irritating to respiratory system.

Germ cell mutagenicity

Investigated as a tumorigen, mutagen, reproductive effector

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
m-Xylene	108-38-3	Not listed	Not listed	Not listed	Not listed	Not listed

o-Xylene	95-47-6	Not listed	Not listed	Not listed	Not listed	Not listed
p-Xylene	106-42-3	Not listed	Not listed	Not listed	Not listed	Not listed
Ethyl Benzene	100-41-4	Group 2B	Not listed	A3	X	A3

Specific target organ toxicity - single exposure

No information available.

Specific target organ toxicity - repeated exposure

No information available.

Reproductive toxicity

May cause teratogenic effects.

Chronic effects

No information available.

11.2 Additional Information

No information available.

SECTION 12: Ecological information

12.1 Toxicity

The LC50/96 hour values for fish are between 10 and 100 mg/L. This material is not expected to be toxic to aquatic life.

12.2 Persistence and degradability

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

No information available.

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

Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility.

SECTION 14: Transport information

DOT (US)

UN Number	UN1307
Proper Shipping name	Xylenes
Hazard Class	3
Packaging Group	II

IMDG

UN Number	UN1307
Proper Shipping name	Xylenes
Hazard Class	3
Packaging Group	II

IATA

UN Number	UN1307
Proper Shipping name	Xylenes
Hazard Class	3
Packaging Group	II

SECTION 15: Regulatory information

US federal regulations

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

This product is TSCA listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

No information available.

SARA 304 Emergency release notification

No information available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

No information available.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

No information available.

SARA 311/312 Hazardous

No information available.

SARA 313 (TRI reporting)

These components are regulated as toxic chemicals:

Xylenes CAS# 1330-20-7

N-Butyl Alcohol CAS# 71-36-3

Other federal regulations

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

No information available.

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

No information available.

Safe Drinking Water Act

No information available.

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

No information available.

US state regulations

US. Massachusetts RTK - Substance List

No information available.

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

No information available.

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

No information available.

California Proposition 65

Ethyl Benzene (Cas # 100-41-4) is listed on the California Proposition 65 list.

SECTION 16: Other information

Date of Issue: 8/5/2026

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.