

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	N/A

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 Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific Target Organ Toxicity (repeated exposure)	Category 1
Acute Aquatic Hazard	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

Prevention: 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 fume/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 SWALLOWED: Rinse mouth. Get medical advice/attention if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.

Fire: In case of fire, use foam, dry chemical, or Carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

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

None identified.

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%
Ethylbenzene	Ethylbenzol; EB	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 7.00%

Lower 1.00%

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

Ventilate area of leak or spill. Clean up personnel should wear protective clothing and NIOSH approved respirator. Remove all ignition sources.

6.2 Environmental precautions

No information available.

6.3 Methods and materials for containment and cleaning up

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.

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

See Section 2.2 for precautions.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

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

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

SECTION 8: Exposure controls/personal protection**8.1 Occupational exposure limits**

No information available.

8.2 Exposure controls**Appropriate engineering controls**

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 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. 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)	Not applicable
Flammability or explosive limit	
Upper	7.00%
Lower	1.00%
Vapor Pressure	No information available
Vapor Density	No information available
Density	0.85 g/cc
Solubility	Insoluble in water
Partition coefficient; n-octanol/water	No information available
Autoignition Temp	464°C
Decomposition Temp	No information available
Viscosity	No information available
Molecular Formula	N/A
Molecular Weight	N/A
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 (rat)

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 as a tumorigenic, mutagen, reproductive effector.

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Xylene	1330-20-7	Group 3	Not listed	Not listed	Not listed	Not listed
Ethylbenzene	100-41-4	Group 2B	Not listed	A3	X	A3

Specific target organ toxicity - single exposure

None known.

Specific target organ toxicity - repeated exposure

Causes damage to liver, kidney, and blood through prolonged or repeated exposure to skin or inhalation.

Reproductive toxicity

Investigated as a tumorigenic, mutagen, reproductive effector.

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 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
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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 applicable.

CERCLA Hazardous Substance List (40 CFR 302.4)
Listed, Ethylbenzene (CAS #100-41-4), RQ: 1000 lb.
Listed, Xylene (CAS #1330-20-7), RQ: 100 lb.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous
See Section 2 for more information.

SARA 313 (TRI reporting)
Listed, Ethylbenzene (CAS #100-41-4).
Listed, Xylene (CAS #1330-20-7).

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Listed, Ethylbenzene (CAS #100-41-4).
Listed, Xylene (CAS #1330-20-7).

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

Listed, Ethylbenzene (CAS #100-41-4).

Listed, Xylene (CAS #1330-20-7).

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

Listed, Ethylbenzene (CAS #100-41-4).

Listed, Xylene (CAS #1330-20-7).

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

Listed, Ethylbenzene (CAS #100-41-4).

Listed, Xylene (CAS #1330-20-7).

California Proposition 65

Listed, Ethylbenzene (CAS #100-41-4).

SECTION 16: Other information

Issue date: 06/01/2022

Revision 1: 07/16/2024

Revision 2: 11/08/2024

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.