

Xylene (mixed isomers) {Benzene, dimethyl-}

Printed: 02/25/2025

Revision: 02/28/2025

Supersedes Revision: 06/20/2023

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: 0003342
Product Name: Xylene (mixed isomers) {Benzene, dimethyl-}
Company Name: CalibreScientific US, Inc.
1311 SE Cardinal Ct Suite 170
Vancouver, WA 98683
Phone Number: 1 (360)260-2779
Web site address: Alphatecsystems.com
Email address: Regulatory@calibrescientific.com
Emergency Contact: INFOTRAC
International 00-1- (352)323-3500
Information: North America 1 (800)535-5053
Intended Use: For Laboratory Use: Staining Reagent
Product List Xylene Product Code Also Applies to : 0003125.

2. Hazards Identification

Flammable Liquids, Category 3

Acute Toxicity: Inhalation, Category 4

Acute Toxicity: Skin, Category 4

Skin Corrosion/Irritation, Category 2

**GHS Signal Word:** Warning

GHS Hazard Phrases: H226 - Flammable liquid and vapor.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H332 - Harmful if inhaled.

GHS Precautionary Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/PPM/15M equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313 - If skin irritation occurs, get medical advice/attention.
P362+364 - Take off contaminated clothing and wash it before reuse.
P370+378 - In case of fire, use carbon dioxide (CO2), powder or alcohol resistant foam to extinguish.

GHS Storage and Disposal P403+235 - Store in cool/well-ventilated place.

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Phrases:	P501 - Dispose of contents/container to a safe area compliant with state and local guidelines.
Ingestion:	May be harmful if inhaled. Causes respiratory tract irritation. Harmful if absorbed through the skin. Causes skin irritation. Causes eye irritation. May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	100.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation:	If breathed in, move person into fresh air. If not breathing give artificial respiration.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: Central nervous system depression. Dermatitis. Abdominal pain, Nausea. Vomiting, Anorexia. Shortness of breath.

Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. Fire Fighting Measures

Flash Point: 23.00 C Method Used: Closed Cup

Explosive Limits: LEL: UEL:

Autoignition Pt: NA

Suitable Extinguishing Media: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.

Further information.
Use water spray to cool unopened containers.

Flammable Properties and**Hazards:****Hazardous Combustion****Products:**

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6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Personal precautions. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Environmental precautions. Do not let product enter drains. Methods for cleaning up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	
Respiratory Equipment (Specify Type):	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).			
Eye Protection:	Face shield and safety glasses.			
Protective Gloves:	Handle with gloves.			
Other Protective Clothing:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.			
Engineering Controls (Ventilation etc.):				
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.			

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	
pH:	
Melting Point:	-25.00 C - 13.00 C
Boiling Point:	137.00 C - 143.00 C / 0.0 mm Hg
Flash Point:	23.00 C Closed Cup
Evaporation Rate:	

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Flammability (solid, gas):**Explosive Limits:**

LEL:

UEL:

Vapor Pressure:**Vapor Density (vs. Air=1):****Specific Gravity (Water=1):****Solubility in Water:****Saturated Vapor****Concentration:****Octanol/Water Partition****Coefficient:****Autoignition Pt:**

NA

Decomposition**Temperature:****Viscosity:****10. Stability and Reactivity****Stability:**

Unstable [] Stable [X]

Conditions To Avoid -

Heat, flames and sparks.

Instability:**Incompatibility - Materials To** Strong oxidizing agents.**Avoid:****Hazardous Decomposition or** formed under fire conditions. Carbon oxides,**Byproducts:** Hazardous reactions.

Vapors may form explosive mixture with air.

Possibility of Hazardous

Will occur [] Will not occur [X]

Reactions:**Conditions To Avoid -****Hazardous Reactions:**

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11. Toxicological Information

Toxicological Information:	Acute toxicity. No data available.
Irritation or Corrosion:	No data available.
Sensitization:	No data available.
Chronic Toxicological Effects:	IARC: Group 3: Not classifiable as to its carcinogenicity to humans 3. NTP: No component of this product present 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 present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method:	Product. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Dispose of as unused product.
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14. Transport Information

GHS Classification:	Flammable Liquids, Category 3 - Warning! Flammable liquid and vapor Acute Toxicity: Inhalation, Category 4 - Warning! Harmful if inhaled Acute Toxicity: Skin, Category 4 - Warning! Harmful in contact with skin Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name:	Xylenes.		
DOT Hazard Class:	3	FLAMMABLE LIQUID	
UN/NA Number:	UN1307	Packing Group:	III



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:	Xylenes.		
UN Number:	UN1307	Packing Group:	III
Hazard Class:	3 - FLAMMABLE LIQUID	TDG Classification:	

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AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Xylenes.

UN Number: UN1307

Packing Group:

III

Hazard Class: 3 - FLAMMABLE LIQUID

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes NA	Yes

CAS #	Hazardous Components (Chemical Name)
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Other US EPA or State Lists

CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 2014;
PA HSL: Yes - E

16. Other Information

Revision Date: 02/28/2025

Previous revision:

06/20/2023

Preparer Name: Tim Meehan

Additional Information About

This Product:

Document & Change Control Number SDS0060.D.

Company Policy or

Disclaimer:

Disclaimer

The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.