

Xylene Technical Grade

Technical

GHS Revision

Rev. 9 (2021)

Reviewed

2026-06-18

Emergency

Chemtel 1-800-255-3924 (24/7)

CAS number 1330-20-7	UN number UN1307	Hazard class · packing group 3 · PG III
C₈H₁₀ Molecular formula	Grade Technical	Signal word Danger
Hazards Flammable Irritant / harmful Health hazard H226 H304 H312 H315 H319 H332 H335 H373		
Proper shipping name Xylenes		
Xylene Technical Grade is regulated for transport under DOT 49 CFR — see the shipping classification below.		

1 Identification

Product Identifier

Xylene Technical Grade

Grade

Technical

CAS Number	1330-20-7
Chemical Formula	C ₈ H ₁₀
Molecular Weight	106.17 g/mol g/mol
Manufacturer	Alliance Chemical
	204 South Edmond Street, Taylor, TX 76574
Emergency Phone	Chemtel 1-800-255-3924 (24/7)
Recommended Use	Industrial / laboratory chemical. See Section 7.

2 Hazard Identification



Flammable



Irritant /
harmful



Health hazard

Signal Word

Danger

Hazard Statements

H226 Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H312 Harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, and lighting equipment.
P242 Use non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust, fume, gas, mist, vapours or spray.
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 Wash hands and face thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, protective clothing, and eye/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P314 Get medical advice or attention if you feel unwell.

P321 Specific treatment (see first-aid information on this label).

P331 Do NOT induce vomiting.

P332+P313 If skin irritation occurs: Get medical advice or attention.

P337+P313 If eye irritation persists: Get medical advice or attention.

P362 Take off contaminated clothing and wash before reuse.

P370+P378 In case of fire: Use appropriate media to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazard (H) and precautionary (P) statements and pictograms conform to GHS Rev. 9. The full classification rationale is in the downloadable SDS PDF.

3 Composition / Information on Ingredients

Component	CAS No.	Formula	Concentration
Xylene (mixed isomers)	1330-20-7	C ₈ H ₁₀	>=80 (w/w)
Ethylbenzene	100-41-4	C ₈ H ₁₀	<=20 (w/w)
Cumene	98-82-8	C ₉ H ₁₂	<0.5 (w/w)

Concentrations are nominal; lot-specific values appear on the Certificate of Analysis. Components not contributing to classification are omitted.

4 First-Aid Measures

Eyes	Rinse with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
Skin	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with soap. Get medical attention immediately.
Inhalation	Move person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

5 Fire-Fighting Measures

Suitable Extinguishing Media	Alcohol-resistant foam, CO ₂ , dry chemical powder. Water spray may be used to cool fire-exposed containers.
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Unsuitable Extinguishing Media	Do not use a solid water stream — may scatter and spread fire.
Protective Equipment	Wear self-contained breathing apparatus and full protective clothing.
Hazardous Combustion Products	May include carbon oxides and other toxic fumes. See Section 10.

6 Accidental Release Measures

Personal Precautions	Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Prevent leakage or spillage from entering drains, sewers, or waterways.
Containment & Cleanup	Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations.

7 Handling and Storage

Safe Handling	Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.
Safe Storage	Store in a cool, dry, well-ventilated area away from heat, sparks, and open flame. Keep away from incompatible materials (see Section 10). Keep containers tightly closed. Ground and bond containers when transferring material.

8 Exposure Controls / Personal Protection

Occupational Exposure Limits

Limit	Value
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Limit	Value
OSHA PEL	100 ppm TWA
NIOSH REL	100 ppm TWA / 150 ppm STEL
IDLH	900 ppm
Engineering Controls	Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.
Eye/Face Protection	Wear chemical safety goggles or face shield.
Skin Protection	Wear chemical-resistant gloves and protective clothing.
Respiratory Protection	Use a NIOSH-approved respirator with organic vapor cartridges. For confined spaces or exposures above the OEL, use supplied-air respiratory protection.

Exposure limits sourced from NIOSH Pocket Guide and OSHA 29 CFR 1910.1000. Hazard classification from ECHA Classification and Labelling Inventory (CLP Annex VI).

9 Physical & Chemical Properties

Appearance	Clear, colorless, volatile aromatic liquid
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting Point / Freezing Point	-47°C (-52.6°F)
Boiling Point	138°C (280.4°F)
Flash Point	25°C (77°F)
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Solubility	Low water solubility, excellent organic solvent

Partition Coefficient (n-octanol/water)	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Particle Characteristics	Not applicable
Form	Liquid

Values shown reflect product-specific canonical data. Lot-specific ranges may vary; see the Certificate of Analysis for the shipped lot.

10 Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing conditions.
Conditions to Avoid	Heat, sparks, open flame, and incompatible materials.
Incompatible Materials	Strong oxidizing agents, sources of ignition, heat.
Hazardous Decomposition Products	May produce carbon oxides and other toxic fumes when heated to decomposition.

11 Toxicological Information

See Section 2 for GHS hazard classification.

Carcinogen Classification

Agency	Status
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IARC	Group 2B — possibly carcinogenic to humans (Ethylbenzene; IARC agent: Ethylbenzene, Vol. 77).
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NTP	Reasonably anticipated to be a human carcinogen (Cumene; NTP listing: Cumene).
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OSHA No substance-specific standard in 29 CFR 1910 Subpart Z; classified as a carcinogen under the Hazard Communication Standard (29 CFR 1910.1200). See Section 2.

12 Ecological Information

Ecotoxicity	Algae ErC50: 4.7 mg/L (72 h, Pseudokirchneriella subcapitata — o-xylene as representative isomer (mixed-xylene CAS has no own record); 4.7 mg/L)
Persistence & Degradability	Low under aerobic conditions — Readily biodegradable (90–94% O ₂ in 28 d) [o-xylene]
Bioaccumulative Potential	BCF 14 (measured in goldfish; low) [o-xylene]
Mobility in Soil	Koc 24–251 — very high to moderate mobility [o-xylene]

13 Disposal Considerations

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

14 Transport Information

US DOT (49 CFR)

UN Number	UN1307
Proper Shipping Name	Xylenes
Hazard Class	3
Packing Group	III

IMDG / IATA classifications may differ. Refer to the downloadable SDS PDF for international transport details. Verify current regulations before international shipment.

15 Regulatory Information

Inventory / List	Status
California Proposition 65	Contains Ethylbenzene (CAS 100-41-4) at ≤20; listed; Contains Cumene (CAS 98-82-8) at <0.5; listed.
US EPA TSCA Active Inventory	Listed
EPCRA SARA 313 (TRI)	Listed

SARA 311/312 hazard categories correspond to the GHS classification in Section 2. Data retrieved as of: California Proposition 65 2026-09-02; US EPA TSCA Active Inventory 2026-09-02; EPCRA SARA 313 (TRI) 2026-09-02.

16 Other Information

Revision Date	2026-06-18
GHS Format	GHS Rev. 9 (2021), 16-section format per OSHA HCS 2024 (29 CFR 1910.1200).

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