



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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SAFETY DATA SHEET (SDS)

Mixed Xylene *SDS*

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

CAS 1330-20-7

EC 215-535-7

SIGNAL WORD **DANGER**

GHS02

Flammable Liquid

GHS07

Harmful / Irritant

GHS08

Health Hazard

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name	Mixed Xylene
Product Type	Mixed xylene aromatic solvent
Chemical Family	Aromatic hydrocarbon solvent
CAS No.	1330-20-7
EC No.	215-535-7
Intended Use	Industrial / professional chemical use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Do not use in consumer or medicinal applications unless separately qualified.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/mixed-xylene
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 3; Acute Tox. 4 (dermal, inhalation); Skin Irrit. 2; STOT SE 3; Asp. Tox. 1

Signal Word **DANGER**



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GHS Pictograms	GHS02 (Flammable) GHS07 (Harmful / Irritant) GHS08 (Health Hazard)
Other GHS Hazard Classes	Not classified for unlisted hazard classes based on reviewed public/source data.

HAZARD STATEMENTS

- H226 — Flammable liquid and vapour
- H312 — Harmful in contact with skin
- H315 — Causes skin irritation
- H332 — Harmful if inhaled
- H335 — May cause respiratory irritation
- H304 — May be fatal if swallowed and enters airways

PRECAUTIONARY — PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground/bond container and receiving equipment.
- P241 — Use explosion-proof electrical/ventilating/lighting equipment.
- P242 — Use only non-sparking tools.
- P243 — Take precautionary measures against static discharge.
- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY — RESPONSE / STORAGE / DISPOSAL

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/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



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if present and easy to do. Continue rinsing.

- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.
- P501 — Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Xylene isomers (o-, m-, p-xylene)	1330-20-7	215-535-7	60–100	Flam. Liq. 3; Acute Tox. 4 (dermal, inhal.); Skin Irrit. 2; STOT SE 3; Asp. Tox. 1 — H226, H312, H332, H315, H335, H304
Ethylbenzene	100-41-4	202-849-4	0–25 typical	Flam. Liq. 2; Acute Tox. 4 (inhal.); STOT RE 2 — H225, H332, H373

Percentages are by volume. Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air. If breathing is difficult, seek immediate medical attention.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting — aspiration hazard. Seek immediate medical advice. Call POISON CENTER or doctor.
Note to Physician	Treat symptomatically based on exposure route. Aspiration hazard (H304) — do not induce vomiting; gastric lavage only under physician direction with airway protected.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide (CO ₂), water spray (for cooling containers and run-off control).
Unsuitable Media	Direct high-pressure water jet — may spread burning liquid.
Specific Hazards	Flammable liquid and vapour. Vapours are heavier than air and may travel to ignition sources and flash back. Containers may rupture when heated. Combustion produces carbon oxides and irritating fumes.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Use explosion-proof/grounded equipment. Cool exposed containers with water spray. Prevent contaminated fire-fighting run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all ignition sources. Wear appropriate PPE (see Section 8). Ventilate area. Bond/ground equipment to prevent static discharge.
Environmental Precautions	Prevent entry into drains, sewers, soil, and watercourses. Report spills to relevant environmental authorities if required.
Containment / Clean-up	Contain spill with inert absorbent material (sand, earth, vermiculite). Collect into labelled, closeable containers for disposal through an approved waste contractor. Do not allow to enter drains.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal, Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use only with explosion-proof ventilation. Keep away from heat, sparks, open flames and hot surfaces. Bond/ground containers during transfer. Use non-sparking tools and antistatic equipment.
Hygiene	Wash hands thoroughly after handling. Remove and launder contaminated clothing before reuse. Do not eat, drink or smoke when using this product.



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Storage Conditions	Store in original, tightly closed compatible containers in a cool, well-ventilated location away from direct sunlight and ignition sources. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature; keep cool. Avoid temperatures above 30°C for prolonged storage.
Incompatible Materials	Strong oxidising agents (nitric acid, permanganates, peroxides, chlorine). Concentrated acids and halogens. See Section 10.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Xylene isomers (CAS 1330–20–7): use verified local/regional OEL (8h TWA) and STEL — consult OSHA, NIOSH, ACGIH, EU, or Indian MSIHCLimits; apply ALARA where no limit is established. Ethylbenzene (CAS 100–41–4): same approach — verify local OEL/STEL; supplier/regional confirmation required.
Engineering Controls	Use closed handling systems and local exhaust ventilation (LEV) to control vapour below OEL. Use explosion-proof ventilation and grounding for flammable liquids. Provide eyewash and safety shower where appropriate.
Respiratory Protection	If ventilation is inadequate, use a NIOSH- or EN-approved organic vapour respirator cartridge. Use SCBA for emergency or confined-space entry.
Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl, neoprene, or PVC laminate) — select for breakthrough time. Eyes: chemical splash goggles (EN 166 / ANSI Z87.1); add face shield where splash risk exists. Body: chemical-resistant clothing/apron and safety footwear; use antistatic PPE where flammable vapours may occur.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless aromatic liquid.
Odour	Characteristic aromatic hydrocarbon odour.
Odour Threshold	Not established.
pH	Not applicable (non-aqueous liquid).
Melting / Freezing Point	Approx. –47 to –25°C (varies with isomer composition)
Boiling Point / Range	Approx. 137–144°C



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Flash Point	Approx. 24–32°C (closed cup)
Auto-ignition Temperature	Approx. 465°C
Flammability Limits	LEL approx. 1.1 %; UEL approx. 7 %
Vapour Pressure	Approx. 8–10 hPa at 20°C
Vapour Density (air = 1)	3.7
Relative Density	Approx. 0.86 (water = 1)
Solubility in Water	Insoluble / slightly soluble
Log Pow (Partition Coeff.)	Approx. 3.1–3.2
Evaporation Rate	Not established; refer to supplier specification.
Viscosity	See supplier specification.
VOC Content	Assess per applicable regional VOC regulations; mixed xylene is a VOC.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Heat, ignition sources, static discharge, contamination with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Reactive with aluminium chloride (AlCl ₃) at elevated temperature — not a concern under ambient storage or normal blending.
Hazardous Decomposition	Carbon monoxide, carbon dioxide, and irritating or toxic organic fumes may form in fire or under strong oxidising conditions.
Hazardous Reactions	Will not occur under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute oral toxicity; aspiration hazard (H304) — ingestion with aspiration into lungs may be fatal. Do not induce vomiting.
Acute Dermal Toxicity	Harmful in contact with skin (H312, Acute Tox. 4 dermal). Numeric LD ₅₀ — verify from supplier/test data.
Acute Inhalation Toxicity	Harmful if inhaled (H332, Acute Tox. 4 inhalation). May cause respiratory irritation (H335, STOT SE 3). Numeric LC ₅₀ — verify from supplier/test data.
Skin Irritation	Causes skin irritation (H315, Skin Irrit. 2).



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Eye Irritation	May cause eye irritation. Not classified as serious eye damage/irritation in Section 2 from reviewed data; verify from supplier SDS.
Sensitisation	Not classified as a skin or respiratory sensitiser based on reviewed data.
Carcinogenicity	Ethylbenzene component is classified as possible carcinogen (IARC Group 2B). Xylene isomers not classified as carcinogens under GHS/IARC reviewed data. Verify with supplier for updated assessments.
Mutagenicity	Not classified as a mutagen based on reviewed data. Endpoint confirmation requires supplier/test data.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No aquatic environmental classification identified in Section 2 from reviewed data. Mixed xylene is toxic to aquatic organisms; avoid release. Obtain supplier/ecotoxicity data if required for registration or export.
Persistence / Degradability	Mixed xylenes are not readily biodegradable in all conditions. Use supplier, ECHA, or PubChem data where available. Do not assume ready biodegradability.
Bioaccumulation	Log Kow approx. 3.1–3.2 indicates moderate bioaccumulation potential. Verify BCF data from supplier or regulatory databases.
Mobility in Soil	Moderate mobility in soil given low water solubility and high vapour pressure. Assess from adsorption potential and product form. Prevent release to soil and groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised hazardous-waste contractor in accordance with local regulations. Do not pour down drains or into the environment.
Contaminated Packaging	Empty containers may retain flammable residues; handle as hazardous until thoroughly cleaned or disposed of through an authorised route.



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Indian Regulations

Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and state Pollution Control Board requirements. Assign waste code according to actual process and local regulation.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1307	UN 1307	UN 1307
Proper Shipping Name	XYLENES	XYLENES	XYLENES
Class	3	3	3
Packing Group	III	III	III
Marine Pollutant	No	No	—
Tunnel Restriction (ADR)	D/E	—	—
EmS (IMDG)	—	F-E, S-D	—

Packaging: approved compatible container (UN-certified drum required for international transport). Drum must be labelled with Class 3 placard, UN 1307, PG III, and product name. Verify ethylbenzene content and current carrier requirements before shipment. Follow applicable ADR, IMDG, and IATA requirements.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to GHS/CLP classification in Section 2.
OSHA (USA)	Prepared in OSHA HCS/HazCom-aligned 16-section SDS format. Observe applicable workplace chemical requirements.
TSCA (USA)	Verify TSCA inventory / SNUR status before US import or distribution; mixture/UVCB status may require supplier confirmation.
India	Observe applicable MSIHC Rules, Hazardous Waste Management Rules, workplace, storage, transport, and pollution-control requirements.
Canada WHMIS / HPR	Classify/label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure.
China (GB Standards)	Use applicable GB/T SDS and classification requirements where marketed.
Middle East / GCC	Observe applicable GHS-aligned local requirements.
Australia (AICS)	Check inventory status before export or import.



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Other Jurisdictions	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code, and restrictions. Regulatory scope limitation applies.
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SECTION 16 OTHER INFORMATION

Prepared By	Supreme Petro Chemicals — Technical Department
SDS Standard	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR — 16-section format
Revision Date	24 June 2026
Version	3.0 (supersedes prior issues)
Disclaimer	Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is responsible for safe use, handling and compliance with all applicable laws and regulations.

FULL TEXT OF H-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
- H332 — Harmful if inhaled
- H335 — May cause respiratory irritation
- H373 — May cause damage to organs through prolonged or repeated exposure (ethylbenzene component; STOT RE 2)
- H225 — Highly flammable liquid and vapour (ethylbenzene component; Flam. Liq. 2)