

**SAFETY DATA SHEET****ORTHO XYLENE (OX)**

CAS No.: 95-47-6

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Ortho Xylene (OX)
CAS Number	95-47-6
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Danger
HAZARD CLASSIFICATION • Flammable liquid - Category 3 • Acute toxicity, oral/dermal - Category 4 • Acute toxicity, inhalation - Category 4 • Skin irritation - Category 2 • Eye irritation - Category 2 • Specific target organ toxicity, single exposure - Category 3 • Aspiration hazard - Category 1 • Hazardous to the aquatic environment, chronic - Category 2	
HAZARD STATEMENTS • H226 - Flammable liquid and vapor • 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 • H411 - Toxic to aquatic life with long lasting effects	
PRECAUTIONARY STATEMENTS • P210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking • P233 - Keep container tightly closed • P261 - Avoid breathing vapors • P264 - Wash hands thoroughly after handling • P273 - Avoid release to the environment • P280 - Wear protective gloves/eye protection/face protection • P301+P310 - If swallowed: immediately call a poison center/doctor • P331 - Do NOT induce vomiting • P403+P235 - Store in a well-ventilated place. Keep cool	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Ortho Xylene (OX)
CAS Number	95-47-6
Physical State	Liquid
Appearance / Odour	Colorless liquid with a characteristic sweet, aromatic (gasoline-like) odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present. Get medical attention if irritation persists.
Skin Contact	Remove contaminated clothing and wash skin thoroughly with soap and water. Get medical attention if irritation develops.
Inhalation	Remove to fresh air immediately. If breathing is difficult, give oxygen; get medical attention if symptoms persist.
Ingestion	Do NOT induce vomiting due to aspiration hazard. Rinse mouth with water and seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, alcohol-resistant foam, water spray/fog to cool containers.
Unsuitable Extinguishing Media	Do not use a direct/solid water stream, which may spread the fire.
Special Hazards	Flammable liquid; vapors are heavier than air, may accumulate in low areas, and can travel to ignition sources and flash back. Combustion produces carbon monoxide, carbon dioxide, and smoke. Closed containers may rupture violently when heated.

6. ACCIDENTAL RELEASE MEASURES

Measures	Eliminate all ignition sources and evacuate/ventilate the area. Contain spill with inert absorbent, prevent entry into drains, sewers, and waterways, and collect waste in closed, labeled containers for disposal.
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7. HANDLING AND STORAGE

Handling Precautions	Handle only in a well-ventilated area, away from heat, sparks, and open flame; use non-sparking, grounded/bonded equipment during transfer. Avoid contact with skin/eyes and inhalation of vapors; never siphon by mouth (aspiration hazard).
Storage Conditions	Store in a cool, well-ventilated, flammable-liquid-rated storage area in tightly closed containers away from heat, ignition sources, and strong oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	OSHA PEL/ACGIH TWA 100 ppm; ACGIH STEL 150 ppm. Use chemical splash goggles, chemical-resistant gloves (e.g., nitrile/Viton), and NIOSH-approved organic vapor respirator where ventilation is inadequate.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance / Odour	Colorless liquid with a characteristic sweet, aromatic (gasoline-like) odor.
Boiling Point	144.4
Melting Point	-24
Flash Point	32 (closed cup)
Density / Specific Gravity	0.88 g/cm ³ at 20 C
Water Solubility	Slightly soluble, approx. 0.02% (175 mg/L) at 20 C
pH Value	Not applicable (water-immiscible hydrocarbon)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use.
Incompatible Materials	Strong oxidizers, strong acids, and halogens.
Hazardous Decomposition	Combustion produces carbon monoxide, carbon dioxide, and smoke/particulates.

11. TOXICOLOGICAL INFORMATION

Summary	A severe aspiration hazard: if swallowed and aspirated into the lungs (e.g., during vomiting), it can cause chemical pneumonitis and be fatal. Also harmful by inhalation and skin contact, causing central nervous system depression (headache, dizziness, narcosis) at high vapor concentrations, and skin/eye/respiratory irritation. Not classified as a carcinogen, mutagen, or reproductive toxicant.
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12. ECOLOGICAL INFORMATION

Summary	Toxic to aquatic organisms with long-lasting effects; classified as chronically hazardous to the aquatic environment. Low water solubility but can form a surface film and bioaccumulate to a limited extent.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of as hazardous (flammable, aspiration hazard) waste in accordance with local, state, and federal regulations; do not discharge to sewers or waterways. Incineration by a licensed facility is a common disposal route.
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14. TRANSPORT INFORMATION

UN Number	UN 1307
Transport Hazard Class	Class 3 (Flammable liquid)
Packing Group	III

15. REGULATORY INFORMATION

Notes	Listed on TSCA, REACH/EINECS, and other global inventories; subject to VOC (volatile organic compound) reporting/control requirements in many jurisdictions and workplace air-monitoring requirements given its inhalation and aspiration hazards.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

(This document is computer generated and therefore does not require any signature.)

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