



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Toluene (Industrial Grade)**
- **Synonyms:** Methylbenzene, Phenylmethane, Toluol

Manufacturer/Supplier:

Swadesh (India) Chemical Pvt. Ltd.

Address:

Survey No: 512, Plot No. 7,
Shri Hari Industrial Park,
Kadadra Village, Near ZAK GIDC,
Dehgam, Gandhinagar, Gujarat, India – 382330

Contact:

- Email: business@swadeshindia.in
- Website: www.swadeshindia.in

Recommended Use:

- Industrial solvent, paint thinner, chemical intermediate, fuel additive

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Toluene	108-88-3	≥99.5%

Additional Notes:

- Contains no hazardous additives



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Flammable Liquid (Category 2, H225)
- Reproductive Toxicity (Category 2, H361d)
- Specific Target Organ Toxicity (Category 1, H370)
- Aspiration Hazard (Category 1, H304)

Hazard Statements (H-Codes):

- Highly flammable liquid and vapor
- Suspected of damaging fertility or the unborn child
- Causes damage to organs (central nervous system)
- May be fatal if swallowed and enters airways

Precautionary Statements (P-Codes):

- P210: Keep away from heat/sparks/open flames
- P301+P310: IF SWALLOWED: Call poison center immediately
- P331: Do NOT induce vomiting
- P410+P403: Protect from sunlight. Store in well-ventilated place

4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist
- **Skin Contact:** Wash with soap and water; remove contaminated clothing
- **Eye Contact:** Rinse immediately with water for 15 mins; seek medical advice
- **Ingestion:** Rinse mouth; do NOT induce vomiting. Call a doctor

5. FIRE FIGHTING MEASURES

- Extinguishing Media: Foam, CO₂, dry chemical powder
- Flash Point: 4°C (closed cup)
- Autoignition Temp.: 480°C
- Explosion Limits: 1.1-7.1% (v/v in air)

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- Personal Precautions: Use self-contained breathing apparatus
- Containment Methods: Use sand or inert absorbent material
- Environmental Precautions: Prevent entry into waterways and soil



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7. HANDLING AND STORAGE

- **Handling:**
 - Use explosion-proof equipment; avoid breathing vapors
- **Storage:**
 - Store in flammable liquid cabinet away from oxidizers

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Use local exhaust ventilation
- **PPE:**
 - **Respiratory:** Organic vapor respirator (NIOSH-approved)
 - **Skin Protection:** Chemical-resistant gloves (Viton® recommended)
 - **Eye Protection:** Tight-fitting safety goggles
 - **Body Protection:** Chemical-resistant apron

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colorless liquid
Odor	Characteristic aromatic
Boiling Point	110.6°C
Melting Point	-95°C
Density (20°C)	0.867 g/cm ³
Solubility in Water	0.52 g/L (20°C)

10. STABILITY AND REACTIVITY

Chemical Stability:

- Stable under recommended conditions

Incompatible Materials:

- Strong oxidizers, nitric acid



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- LC₅₀ (rat): 636 mg/kg (oral)

Inhalation Effects:

- TWA: 20 ppm (OSHA PEL)

Chronic Effects:

- May cause liver/kidney damage

12. ECOLOGICAL INFORMATION

- **Biodegradability:** Readily biodegradable
- **Aquatic Toxicity:** LC₅₀ (Fish): 10-100 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Treat as hazardous waste; incinerate

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods

15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant



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16. ADDITIONAL INFORMATION

Revision Date :20/04/24

Disclaimer: This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.