



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : X 10229
Product Name : XYLENE RECTIFIED
Manufacturer/supplier identification Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755
Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : DIMETHYL BENZENE

CAS-No : 1330-2-7 Ec-Index No. : 601-022-00-9
Molar Mass : 106.17 EC-No. : 215-535-7
Molecular formula : C₆H₁₀

Hazardous Ingredients :

Name according to EC Directives : Ethylbenzene
Hazard symbols : F Xn
R-phrases : 11-20
EC-Index-No. : 601-023-00-4 Highly flammable. Harmful by inhalation.
CAS-No. : 100-41-4 Content Z 1 - 10 %

3. HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

4. FIRST AID MEASURES

After skin contact : Wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately summon eye specialist.
After inhalation : Fresh air. If breathing stops: mouth-to-mouth respiration or mechanical ventilation.
After swallowing : Avoid vomiting. Subsequently administer: Activated charcoal 20-40 g in 10% slurry). Summon Doctor. No alcohol.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: CO₂ , foam, powder

Special risks : Combustible. Vapours heavier than air. Formation of explosible mixtures possible with air. Keep away from sources of ignition.



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Special protective equipment for fire - fighting: Do not stay in dangerous zone without suitable chemical protection clothing and self - contained Breathing apparatus

Other information: Take measures to prevent electrostatic charging.

6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures: Do not inhale vapours /aerosols.
Avoid substance contact.

Environmental-protection measures: Do not allow to enter sewerage system.

Procedures for cleaning/absorption : Take up with liquid-absorbent Material, Forward for disposal, Clean up affected area.

7. HANDLING AND STORAGE

Handling: Take measures to prevent electrostatic charging.

Storage: Tightly closed. In a well-ventilated place,
Keep away from sources of ignition and heat.

Storage temperature: No restrictions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection : Required when vapours /aerosols are generated.

Eye Protection : Required

Hand Protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration & quantity of the hazardous substances handled.

The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Immediately change contaminated clothing.
Apply skin-protective barrier cream.
Wash hands & face after working with substance.

9. Physical and Chemical Properties :

Form	:	Liquid
Colour	:	Colourless
Odour	:	Characteristic
pH value	:	Not available



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Viscosity dynamic (20° C)	:	0.6 mPa s
Melting temperature	:	>-34° C
Boiling temperature	:	~ 137 - 143° C
Ignition temperature	:	465° C
Flash Point	:	24° C
Explosion limit lower	:	1 Vol %
upper	:	8.0 Vol %
Vapour pressure (20° C)	:	8 hPa
Relative vapour density	:	Not available
Density (20° C)	:	0.86 gm/cm ³
Solubility in Water (20° C)	:	Almost insoluble
Ethanol (20° C)	:	Soluble
Log P (oct)	:	2.9
Bioconcentration factor	:	2.4

10. STABILITY & REACTIVITY

Conditions to be avoided: Heating.

Substances to be avoided: strong oxidizing agents, Conc.

Sulphuric acid, Nitric acid, Uranium Hexafluoride, Sulphur.

Hazardous decomposition products : No information available

Further information : Inflammable; incompatible with light metals,
various plastics, rubber. Explosible with air in a vaporous/gaseous state.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ (oral, rat) : 4300 mg/Kg :

LDLo (oral, human) : 50 mg/kg,

LCLo (inhalation, human) : 10000 ppm(V)/6 h.

Irritative/corrosive effects :

Skin irritation test (rabbit) : Strong irritant effect.

Eye irritation test (rabbit) : Strong irritant effect.

Subacute to chronic toxicity : The possibility of an embryotoxic effect
has not yet been fully assessed.



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Further toxicological information :

After inhalation of vapours : Inhalation may lead to the formation of oedemas in the respiratory tract.

After skin contact: Irritations. Danger of skin absorption. Degreasing effect on the skin, possibly followed by secondary inflammation.

After long-term exposure to the chemical : dermatitis.

After eye contact : Irritations.

After absorption of toxic quantities :

Systemic effects : headache, Drowsiness, dizziness, euphoria, excitation, spasms, in certain circumstances narcosis. Effect potentiated by : ethanol

Further data : This substance should be handled with particular care.

12. ECOLOGICAL INFORMATION

Biologic degradation : Biodegradable.

Behavior in environmental compartments :

Distribution : log P(oct) : 2.9; BCF : 2.4 ;

Ecotoxic effects : Biological effects :

Toxic for aquatic organisms. Hazard for drinking water supplies. Risk of formation of explosive vapours above water surface.

Fish toxicity : L.idus LC₅₀ : 110 mg/lt./48 h ;

Crustaceans : Daphnia magna LC₅₀ : 165 mg/lt.;

Aquatic organisms LC₅₀ : 10 mg/lt./96 h

Further ecologic data : ThOD : 3.125 gm/gm

Do not allow to enter waters, waste water, or soil

13. DISPOSAL METHOD

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.



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14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class : 3 Number and letter : 31c
ADR/RID class : 3 Number and letter : 31c
Name of material : XYLENE

Sea Transport IMDG : IMDG class : 3.3 UN No. : 1307 Packing group : III
Ems : 3 - 07 MFAG : 310
Correct Technical Name : XYLENE

Air Transport ICAO-TI and IATA-DGR : ICAO/IATA class : 3 UN No. : 1307
Packaging group : III
Correct Technical Name : XYLENE

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol	:	Xn	Harmful
R-phrases	:	10-20/21-38	Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

S-phrases	:	25	Avoid contact with eyes.
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EC-No	:	215-535-7	EC label
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Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION

Reason for alteration
Specific control parameter
General update

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
