

Technical Data Sheet

Mixed Xylidine

1- Introduction

Mixed Xylidine is a yellow to reddish brown coloured, clear liquid. It is slightly soluble in water and soluble in alcohol ether. It is stable under recommended storage conditions. It is sensitive to air and light and tend to darken on storage. Avoid contact with skin and eyes.

Product Name: - Mixed Xylidine

Synonyms: - Dimethylaniline, Aminodimethylbenzene, Dimethylphenylamine, Xylidine isomers

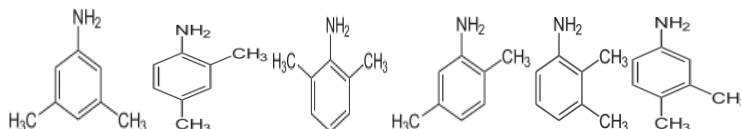
CAS No. 1300-73-8

UN No. 1711

EINECS# 215-091-4

Mol. Formula: - C₈H₁₁N

Mol. Structure: - Mixed Xylidine can refer to any ratio of the six [isomers](#) of [xylene amine](#) or it is a mixture of [isomers](#) of [xylene amine](#).



Mol. Weight: - 121.20 g/mol



2- Physical Properties:

Sr. No.	Properties	Mixed Xylidine
1-	Appearance	Clear liquid.
2-	Colour	Yellow to reddish brown liquid.
3-	Odour	Characteristic aromatic odour.
4-	pH(1%Solution)	Not applicable
5-	Boiling Point/range	216 °C – 228 °C.
6-	Melting point	Data not available.
6-	Flash Point	99 - 98 °C (194 - 208 °F)
7-	Auto ignition temperature	520 - 590 °C
8-	Vapor Pressure	Pa at 20 °C:4-130
9-	Density	0.970 g/cm ³
10-	Solubility water	Slightly soluble, Soluble in : Alcohol Ether
11-	Decomposition	Decomposes on heating producing toxic fumes Carbon oxides, nitrogen oxides (NO _x).



3. Product Quality Specification:

Sr. No.	Test Parameter	Specification
1-	Appearance	Clear, colourless to amber coloured liquid.
2-	Moisture (by KF)	1 % Max.
3-	2,4 xylidine (by GC)	48-52 %.
4-	2,3 xylidine (by GC)	31-33 %.
5-	2,5 + 2,6-xylidine (by GC)	17-19%
6-	Density@25°c	0.972 ± 0.01

4. Packing Information:

Sr. Number	Grade	Packing	Secondary Packing
1-	200 Kg capacity MS drum/ Tanker	200 kg of Mix Xylidine packed in MS drum or in tanker.	-----


DNL can customize packing for different quantities.



5. PRODUCT USES:

Mix xylidine is widely used as raw materials to produce imaging chemicals like pigments and dyestuffs. All of these compounds are also used in the production of antioxidants, agricultural, pharmaceutical, rubber chemicals and other target organic molecules.

6. Regulatory Information:-

Particulars	Information	Pictogram
Hazard Class	6.1	
Label	Toxic	
		
Subsidiary Label	Aquatic toxic	
UN Number	1711	
Proper shipping Name	Mix -Xylidine	
Packing Group	II	

RTECS#:ZE8575000

7. PRODUCT SAFETY INFORMATION:

Mixed Xylidine may be fatal if inhaled. May cause respiratory tract irritation, skin toxic if absorbed through skin. It may cause skin irritation & may be harmful if swallowed. It is stable under recommended storage conditions. Materials keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Materials keep away from acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Halogens. Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x). As with any chemical, Mixed Xylidine requires care in handling. Anyone responsible for the procurement, use or disposal of this product should familiarize himself and those handling the product with the appropriate safety and handling precautions. This information is available in the Material Safety Data Sheet, which may be obtained by contacting our representative.



8. Manufacture Site:

Deepak Nitrite Limited (APL Division)
Plot No. 1 to 6, 26 to 31, MIDC Industrial Area, Dhatav, Roha,
Dist. Raigad 402 116, Maharashtra.
Phone No. 02194 263550/263750

9. Corporate Headquarter:

Deepak Nitrite Ltd.
Aaditya-I, National Highway No. 8, Chhani Road,
Vadodara - 390 024,
India
Ph. No (0265) 2765200

10. For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887



Disclaimer:

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