



Technical Data Sheet

2, 5-Xylidine

1- Introduction

2, 5-Xylidine is a Yellow to reddish brown coloured, clear liquid. It is insoluble in water and soluble in ether, acetone ≥ 100 mg/ml at 18 °C (RAD). 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: - 2, 5-Xylidine

Synonyms: - 2-Amino-1,4-Dimethylbenzene, 3-Amino-1,4-Dimethylbenzene, 2-Amino-p-Xylene, 2,5-Dimethylaniline

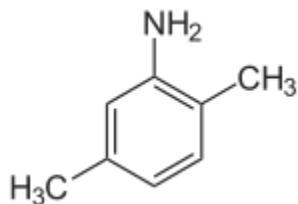
CAS No. 95-78-3

UN No. 1711

EINECS# 202-451-0

Mol. Formula: - $(\text{CH}_3)_2\text{C}_6\text{H}_3\text{NH}_2$.

Mol. Structure:-



Mol. Weight: - 121.20



2- Physical Properties:

Sr. No.	Properties	2, 5-Xylidine
1-	Appearance	Clear liquid
2-	Colour	Yellow to reddish brown liquid.
3-	Odour	Characteristic aromatic odour.
4-	pH(1%Solution)	Data not available
5-	Boiling Point/range	218 °C.
6-	Melting point	11.5 °C.
6-	Flash Point	93 °C (199.4 °F)
7-	Auto ignition temperature	Data not available
8-	Vapor Pressure	Data not available
9-	Density	0.970 g/cm ³
10-	Solubility water	Soluble in ether. Acetone :>=100 mg/ml at 18 °C. Water : < 1 m g / m l a t 1 8 °C
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	Yellow to dark brown liquid.
2-	Moisture (by KF)	0.3 % Max.
3-	Purity (by GC)	99 % Min.

4. Packing Information:

Sr. Number	Grade	Packing	Secondary Packing
1-	200 Kg capacity MS drum/ Tanker	200 kg of 2, 5-Xylidine packed in MS drum or in tanker.	-----


DNL can customize packing for different quantities.

5. PRODUCT USES:

2, 5-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	2, 5-Xylidine	
Packing Group	II	

RTECS#:ZE8750000

7. PRODUCT SAFETY INFORMATION:

2, 5-Xylidine may be harmful by inhalation, in contact with skin and if swallowed. It may cause eye irritation. 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. This compound is sensitive to prolonged exposure to air, reacts with oxidizing material, it forms salts with strong mineral acids. Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx). As with any chemical, 2, 5-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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Deepak Nitrite Ltd

