



## Technical Data Sheet

### 3, 4-Xylidine

#### 1- Introduction

3, 4-Xylidine is a White to pink coloured flakes. It is Very soluble in ligroin; soluble in ether; slightly soluble in chloroform and water. 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: - 3, 4-Xylidine

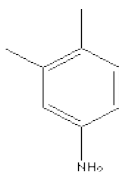
Synonyms: - 4-Amino-1, 2-dimethylbenzene; 3, 4-Dimethylphenylamine; 3, 4-Xylylamine;

1-Amino-3,4-dimethylbenzene; 3-Amino-o-xylene; 4-Amino-o-xylene.

CAS No. 95-64-7

UN No. 3452

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



Mol. Structure :-

Mol. Weight: - 121.18



## **2- Physical Properties:**

Physical state: solid

Appearance: White to pink coloured flakes.

Melting Point 51 °C

Crystallizing point 48.5 °C

Boiling point 226 °C

Flash point 98 °C

Solubility: Very soluble in ligroin; soluble in ether; slightly soluble in Chloroform and water.

Relative density (water = 1): 1.07

Stability - Stable under ordinary conditions.

### ***Density Vis Temperature:-***

Sr. No.	Temperature	Density (gm/ml)
1	80 °C	0.920
2	75 °C	0.929
3	70 °C	0.934
4	65 °C	0.939
5	60 °C	0.948
6	55 °C	0.958
7	50 °C	0.968
8	45 °C	1.011
9	40 °C	1.034
10	35 °C	1.045
11	30 °C	1.0697

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### **3. Product Quality Specification:**

Sr. Number	Parameter	Specification
1-	Appearance	White to pink solid
2-	Moisture (KF)	0.50 % Max
3-	Purity (GC)	99.00 % Min

### **4. Packing Information:**

Sr. Number	Grade	Packing	Secondary Packing
01	200 Kg MS drum	200 kg of 3, 4-Xylydine packed in MS drum	-----

DNL can customize packing for different quantities.

### **5. PRODUCT USES :**

#### **1- In pigments & Dye stuffs :-**

3, 4-Xylydine used as raw materials to produce imaging chemicals like pigments and dyestuffs.

#### **2- In antioxidants: -**

It is used as an intermediate for manufacturing of antioxidants.

#### **3- In agriculture: -**

It is used as an intermediate for manufacturing of Agrochemicals.

#### **4- In pharmaceutical :-**

It is used as an intermediate for manufacturing of pharmaceutical products.

#### **5- In rubber industries:-**

It is used as an intermediate for manufacturing of rubber chemicals and other target organic Molecules.



## 6. Regulatory Information:-

Particulars	Information	Pictogram
Hazard Class	6.1	
Label	Toxic	
Subsidiary Label	Health Hazards	
UN Number	3452	
Proper shipping Name	3, 4-Xylidine	
Packing Group	II	

**RTECS#:** ZE9450000

## 7. PRODUCT SAFETY INFORMATION:

3, 4-Xylidine may irritate skin and eye. If inhaled may cause respiratory tract irritation & may be harmful if swallowed. Stable under recommended storage conditions. Materials Separated from Acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Halogens and food and feedstuffs. . As with any chemical, 3, 4-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



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Deepak Nitrite Ltd

