



## Technical Data Sheet

### 3, 5-Xylidine

#### 1- Introduction

3, 5-Xylidine is a yellow to reddish brown coloured, clear liquid. It is insoluble in water and soluble in ether, acetone  $\geq 100$  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: - 3, 5-Xylidine

Synonyms: - 3, 5-Dimethylaniline; 3, 5-Dimethylbenzeneamine; 1-Amino-3, 5-Dimethylbenzene; 5-Amino-m-xylene; 5-Amino-1,3-xylene

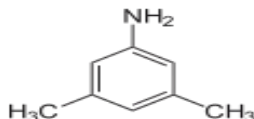
CAS No. 108-69-0

UN No. 1711

EINECS# 203-607-0

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

Mol. Structure:-



Mol. Weight: - 121.18



## 2- Physical Properties:

Sr. No.	Properties	3, 5-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	220 °C – 221 °C.
6-	Melting point	9.8 °C.
6-	Flash Point	93 °C (201 °F)
7-	Auto ignition temperature	590 °C (1,094 °F)
8-	Vapor Pressure	1.29 hPa (0.97 mmHg) at 20 °C (68 °F)
9-	Density	0.970 g/cm <sup>3</sup>
10-	Solubility water	Water :<1 mg/ml at 18 °C (RAD), Soluble in ether, Acetone:>=100 mg/ml at 18 °C (RAD).
11-	Decomposition	Decomposes on heating producing toxic fumes Carbon oxides, nitrogen oxides (NO <sub>x</sub> ).



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

<b>Sr. No.</b>	<b>Test Parameter</b>	<b>Specification</b>
1-	Appearance	Clear, colorless to amber colored liquid.
2-	Moisture (by KF)	0.5 % Max.
3-	Purity (by GC)	99 % Min.

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

<b>Sr. Number</b>	<b>Grade</b>	<b>Packing</b>	<b>Secondary Packing</b>
1-	200 Kg capacity MS drum/ Tanker	200 kg of 3, 5-Xylidine packed in MS drum or in tanker.	-----

DNL can customize packing for different quantities.

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

3, 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	Warning	
UN Number	1711	
Proper shipping Name	3, 5-Xylidine	
Packing Group	II	

RTECS#:ZE9625000

## 7. PRODUCT SAFETY INFORMATION:

3, 5-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<sub>x</sub>). As with any chemical, 3, 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

