



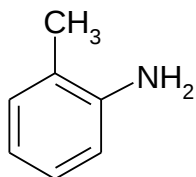
## Technical Data Sheet

### Ortho Toluidine

#### 1. Introduction

Ortho Toluidine is a yellowish amber coloured liquid, is slightly soluble in water & odour is weak aromatic odour. It is stable in recommended under storage condition.

1. Product: Ortho Toluidine
2. CAS No: 95-53-4
3. Molecular Formula:  $C_7H_9N$
4. Molecular Weight: 107.20
5. Structure



#### 2. Physical Properties:

Physical state: Liquid

Appearance: clear liquid

Melting Point :  $-28^{\circ}C$

Boiling point :-  $200^{\circ}C$

Stability: The product, stored in recommended under storage condition.

Specific Gravity: 0.998 g/cm<sup>3</sup>

Flash Point:-  $85^{\circ}C$  Closed cup

Autoignition Temp: -  $482^{\circ}C$



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

Sr Number	Parameter	Specification
01	Physical Appearance	Pale yellow to Amber liquid ( Colour darken on storage)
02	Moisture by KF	0.20 % Max
03	Purity by GC	99.50% Min
04	Other Impurity	0.50% Max

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

Sr. Number	Grade	Packing	Secondary Packing
01	Liquid	200 Kg HDPE & 200Kg MS Drums	Loose container & Tanker

## **5.PRODUCT USES**

### **1)Dyes and Pigments :**

It is used for intermediate dyes and pigments.

### **2) Agrochemicals & Pharmaceuticals :**

It is used as an intermediate for lot of A P I and Agrochemicals

### **3) Photographic Chemicals:**

### **4) Rubber Chemicals :**

Used for manufacturing Di Nitroso Penta Methylene Tetra amine ( DNPT) a product used for manufacture of rubber based (Hawaii) foot wear.

### **5) Antioxidants :**



The product is recommended as an additive for concrete and gypsum to inhibit corrosion of iron reinforcement

## **6. Regulatory Information :-**

Particulars	Information	Pictogram
Hazard Class	6.1	
Label		
Subsidiary Label	Toxic	
UN Number	1708	
Proper shipping Name	Ortho Toluidine	
Packing Group	II	

## **REACH Details :-**

Ortho Toluidine



## **7. PRODUCT SAFETY INFORMATION :**

Ortho toluidine may irritate the skin or eyes. Although it is used in small amounts as a food preservative, direct ingestion can irritate the mouth, esophagus or stomach, cause other toxic effects and can even be fatal. Inhaling Ortho toluidine can irritate the nose, throat or lungs. Inhaling large amounts of dust, or mist can cause acute toxic effects and can be fatal.

As with any chemical, ortho toluidine 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 Customer Service Group.

## **8. Manufacture Site :**

Deepak Nitrite Ltd.  
Plot No- K-10, MIDC,  
Taloja A.V,  
Dist -Raigad. 410 208.  
State- Maharashtra.  
India.

## **9. Corporate Headquarter: :**

Deepak Nitrite Ltd.  
Aaditya-I, National Highway No. 8, Chhani Road,  
Vadodara - 390 024,  
India

## **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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