

1 Product And Company Identification :

Product Name : **2,5-Xylidine**
CAS No. : **95-78-3**

Supplier : Deepak Nitrite Ltd.
Aaditya-I, National Highway No. 8, Chhani Road,
Vadodara - 390 024, India
Manufacturing facilities at :
Vadodara, Roha, Taloja & Hyderabad.
Contact no. : +91-9904406400

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

2 Composition / Information On Ingredients :

Hazardous components : **2,5-Xylidine**
Synonyms : 2-Amino-1,4-Dimethylbenzene, 3-Amino-1,4-Dimethylbenzene, 2-Amino-p-Xylene, 2,5-Dimethylaniline.
Chemical formula : $C_8H_{11}N$
Molecular weight : 121.20
CAS No. : 95-78-3
UN No. : 1711
EINECS No. : 202-451-0
Hazard symbols : T, N
Risk phrases : R-23/24/25/33
Safety phrases : S - 2 8 A / 3 6 / 3 7 / 4 5

3 Hazards Identification :

Potential Health Effects:
Harmful by inhalation, in contact with skin and if swallowed. May cause eye irritation. The toxicological properties of this material have not been fully investigated, though absorption into the body leads to formation of methemoglobin, which can further cause cyanosis.

4 First Aid Measures :

Remove all contaminated clothing immediately.
Following skin contact : Wash skin immediately with plenty of water and soap. If skin reactions occur, if symptoms such as redness or irritation develop, contact a physician. Following eye contact: Open the eyelids and rinse for an adequate length of time with water. Consult an eye specialist immediately.
Upon inhalation : Remove victim to fresh air area. If there is difficulty in breathing, medical attention should be obtained.
Upon swallowing : Rinse mouth several times. Ensure that patient drinks plenty of water. DO NOT INDUCE VOMITING. Seek medical advice.

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5 Fire Fighting Measures :

Fire Extinguishing Media : Dry chemical powder, Carbon Di-oxide, foam, Halon.
Beware of formation of toxic fumes. Wear respiratory protection equipment. Do not allow contaminated extinguishing water to enter soil, ground water or surface waters.

6 Accidental Release Measures :

Fill into labelled sealable containers.
Use necessary personal protective equipment when handling.

7 Handling & Storage :

Store in a cool, dry, well ventilated area, away from heat.
During processing, ensure sufficient exhaust ventilation in the working area. Vent waste air via suitable separators or scrubbers.

8 Exposure Control / Personal Protection :

Respiratory protection :Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Eye protection: Goggles

Wear butyl rubber gloves if contact with product is possible.

Avoid contact with eyes o r skin. D o not inhale vapours.

9 Physical And Chemical Properties :

Colour	: Yellow to reddish brown liquid
Odour	: Characteristic aromatic odour
pH	: Data not available
Boiling Point/range	: 218 °C
Melting point	: 11.5 °C
Flash Point	: 93 °C (199.4 °F)
Explosion properties	: LEL 1% (vol)
Density	: 0.97 g/cm ³
Solubility	: Soluble in ether. Acetone: >=100 mg/ml at 18 °C. Water : < 1 m g / m l a t 1 8 °C

10 Stability And Reactivity :

Chemically stable. This compound is sensitive to prolonged exposure to air.
Reacts with oxidizing material. It forms salts with strong mineral acids. Formation of toxic fumes in the event of fire.

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11 Toxicological Information :

Acute toxicity : LD₅₀, Oral, rat : 933 mg/kg.
Irritation of the eyes : Data not available.
Irritation of the skin : Data not available.
RTECS# : CAS No. ;95-78-3 ; ZE8750000
Carcinogenicity : Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.
Special properties : Absorption into the body leads to formation of methemoglobin, which can further cause cyanosis.

12 Ecological Information :

Aquatic Plants : EC₅₀ 48 hours : 44 mg/l

13 Disposal Considerations :

Examine possibilities for re-utilisation. Package product wastes. Close and label waste containers. Dispose these at a suitable waste incineration plant in accordance with the official regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers / packing material is passed on, the recipient must be warned of any possible hazard that may be caused by the residues. This combustible material may be burned in a chemical incinerator equipped with an after burner & scrubber Observe all federal, state & local environmental regulations.

14 Transport Information :

UN No. : 1711 Hazard Class : 6.1 Packing Group : II
Proper shipping name : Xylidines
Declaration for land shipment : -
Declaration for sea shipment : -
Declaration for air shipment (IATA) : -
Packing instruction, passenger : 609, Y609 ; Quantity : 5 litre, 1 Litre
Packing instruction, cargo : 6 1 1 ; Quantity : 6 0 litre

15 Regulatory Information :

Symbols :



T : Toxic N : Environmentally Hazardous.

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Contains 2,3-Xylidine

Risk Phrases:

R 23/24/25 : Toxic by inhalation, in contact with skin & if swallowed

R33 : Danger of cumulative effects

R51/53 : Toxic for water organisms. Can have long term damaging effects in water streams.

Safety Phrases :

S28A : After contact with skin, wash immediately with plenty of water

S-36/37: Wear suitable protective clothing & gloves

S-45 : In case of accident or if you feel unwell, seek medical advice immediately.

S 6 1 : A v o i d o p e n r e l e a s e t o t h e e n v i r o n m e n t

16 Other Information:

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