

Deepak Nitrite Limited

Material Safety Data Sheet	2,6-Xylidine
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1 Product And Company Identification :	
Product Name	: 2,6-Xylidine
Other/Generic Names	: 2,6-Xylidine 2-Amino- <i>m</i> -xylene 2-Amino-1,3-dimethylbenzene
CAS No.	: 87-62-7
Product use	: It is used as an intermediate for agrochemicals, pharmaceuticals and dyes.
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 Hazard Identification :	
GHS classification (Classification according to Regulation (EC) No 1272/2008)	Hazard statement (s)
Health Hazards 2	H227 Combustible liquid
Physical Hazards 0	H302 + H312 Harmful if swallowed or in contact with skin. H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled. H351 Suspected of causing cancer. H371 May cause damage to organs. H401 Toxic to aquatic life.
EC classification (Classification according to Directive 67/548/EEC)	
T: R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R33	Danger of cumulative effects.
N: R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard pictograms	Danger, Carcinogenic, Harmful
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Signal word

Danger

3 Composition / Information On Ingredients :

Chemical formula	: C ₈ H ₁₁ N
Common Name	: 2,6 Xylidine
Synonyms	: 2,6-Xylidine 2-Amino- <i>m</i> -xylene 2-Amino-1,3-dimethylbenzene
Molecular weight	: 121.18 g/mol
CAS No.	: 87-62-7
Index No.	: 612-161-00-X
UN No.	: 1711
EINECS No.	: 201-758-7

4 First Aid Measures :

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration
Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.
Consult a physician.

5 Fire Fighting Measures:

Flammable properties

91 °C (196 °F) - closed cup

Flammability: 2

Ignition temperature 490 °C (914 °F)

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

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6 Accidental Release Measures :

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 Handling & Storage :

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8 Exposure Control / Personal Protection :

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves.

Eye protection

Safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9 Physical And Chemical Properties :

Appearance	: Clear, liquid
Colour	: Yellow to red
Odour	: Characteristic aromatic odour
pH (1% Solution)	: 12.5 at 100 g/l at 20 °C (68 °F)
Boiling Point/range	: 214 °C (417 °F) at 985 hPa (739 mmHg) - lit.
Melting point	: 10 - 12 °C (50 - 54 °F) - lit.

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Flash Point	: 91 °C (196 °F) - closed cup
Autoignition temperature	: 490 °C (914 °F)
Lower explosion limit	: 1.3 %(V)
Upper explosion limit	: 6.9 %(V)
Vapour Pressure	: 0.20 hPa (0.15 mmHg) at 20 °C (68 °F)
Density	: 0.984 g/mL at 25 °C (77 °F)
Solubility water	: Slightly soluble in water
Relative vapour density	: No data available

10 Stability And Reactivity :

Storage stability

Stable under recommended storage conditions.

Materials to avoid

acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Halogens

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

11 Toxicological Information :

Acute toxicity	: LD ₅₀ Oral - rat - 840 mg/kg Remarks: Behavioral: Somnolence (general depressed activity). Cyanosis Blood: Changes in spleen.
RTECS#	: ZE9275000
Carcinogenicity	: Carcinogenicity - rat - Oral Tumorigenic: Carcinogenic by RTECS criteria. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Olfaction: Tumors. Endocrine: Tumors. Limited evidence of carcinogenicity in animal studies IARC: 2B - Group 2B: Possibly carcinogenic to humans (2,6-Xylidine) ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Health Warnings	: Inhalation Toxic if inhaled. May cause respiratory tract irritation. Skin Toxic if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation. Ingestion Harmful if swallowed.
Target organs	: Eyes

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Chronic exposure : Acute toxicity Category 3 and there is no rapid degradation (persistence, BOD degradation degree: 0% (existing inspection, 2002)), and crustaceans (Daphnia magna) 21-day
NOEC = 2.2mg / L (MOE ecological impact study, 2002) is Separated from the outside.

12 Ecological Information :

Acute fish toxicity : Toxicity to fish LC50 - Danio rerio (zebra fish) - 143.3 mg/l - 96.0 h

Acute toxicity to aquatic invertebrates : **Persistence and degradability**
Bioaccumulative potential Bioaccumulation Cyprinodontidae - 48 h
Bioconcentration factor (BCF): 2.8

Further information on ecology
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
WGK 3 highly water endangering

13 Disposal Considerations : Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14 Transport Information :

UN No. : 1711

Hazard Class : 6.1

Packing Group : II

DOT (US)

UN-Number: 1711 Class : 6.1 Packing group: II

Proper shipping name : Xylidines, liquid

Marine pollutant : No

Poison Inhalation Hazard : No

IMDG

UN-Number: 1711 Class: 6.1 Packing group: II EMS-No: F-A, S-A

Proper shipping name: XYLIDINES, LIQUID

Marine pollutant: No

IATA


UN-Number: 1711 Class: 6.1 Packing group: II

Proper shipping name: Xylidines, liquid

15 Regulatory Information :

Safety Information according to GHS

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Hazard Statement (s)	H227 Combustible liquid H302 + H312 Harmful if swallowed or in contact with skin. H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled. H351 Suspected of causing cancer. H371 May cause damage to organs. H401 Toxic to aquatic life.
Precautionary Statement (s)	P260 Do not breathe dust /fume /gas /mist/ vapours /spray. P281 Use personal protective equipment as required. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.
Signal Word	Danger
Hazard Pictogram(s):	
RTECS#	: ZE9275000
Labeling according to EC directives	
Hazard symbols	: T- Toxic , N - Dangerous for the environment
Risk phrases	: R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R33 : Danger of cumulative effects. R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	: S28 : After contact with skin, wash immediately with plenty of water. S36/37 : Wear suitable protective clothing and gloves. S45 : In case of accident or if you feel unwell, seek medical advice immediately. (show the label where possible) S61 : Avoid release to the environment. Refer to special Instructions /safety data sheets.

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OSHA Hazards

Combustible Liquid, Carcinogen, Target Organ Effect, Harmful by ingestion., Irritant

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

2,6-Xylidine CAS-No. 87-62-7

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

2,6-Xylidine CAS-No. 87-62-7

Pennsylvania Right To Know Components

2,6-Xylidine CAS-No. 87-62-7

New Jersey Right To Know Components

2,6-Xylidine CAS-No. 87-62-7

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

16 Other Information:

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DISCLAIMER : Deepak Nitrite Ltd. provides the information contained herein in good faith but makes no representation as to comprehensiveness or accuracy. This document is only as a guide to a properly trained person, for the appropriate precautions and handling of the material. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. The data does not signify any warranty with regard to the product's properties.