

1 Product And Company Identification :

Product Name	: Xylidine isomers
Other/Generic Names	: Dimethylaniline Aminodimethylbenzene Dimethylphenylamine Xylidine isomers
CAS No.	: 1300-73-8
Product use	: Used to produce aramid fibers, dyes including hair dyes, rubber chemicals (vulcanization accelerators and antioxidants), and pigments
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)**

Health Hazards : 4
Flammability: 2
Physical hazards: 0

Hazard statement (s)

H301 Harmful if swallowed
H331 Toxic if inhaled.
H311 Toxic in contact with skin.
H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
H411 Toxic to aquatic life with long lasting effects.



**EC classification
(Classification according to
Directive 67/548/EEC)****T:****R23/24/25**R 33
R 36/38

Toxic by inhalation, in contact with skin and if
swallowed
Danger of cumulative effects
Irritating to eyes and skin.

N : - Environmental Hazards
R51/53

Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.

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Hazard pictograms	Toxic, Dangerous for the environment
	
Signal word	Danger

3 Composition / Information On Ingredients :

Chemical formula	: C ₈ H ₁₁ N
Common Name	: Mix Xylidine
Synonyms	: Dimethylaniline Aminodimethylbenzene Dimethylphenylamine Xylidine isomers
Molecular weight	: 121.20 g/mol
CAS No.	: 1300-73-8
Index No.	: 612-027-00-0
UN No.	: 1711
EINECS No.	: 215-091-4

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

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

In case of skin contact

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.

If swallowed

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

5 Fire Fighting Measures:

Combustible. Gives off irritating or toxic fumes (or gases) in a fire.

Suitable extinguishing media

Dry chemical, foam, carbon dioxide.

Extinguishing media not to be used: Water (It may scatter and spread fire.)

Special protective equipment for fire-fighters

When extinguishing fire, be sure to wear personal protective equipment

Specific methods: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

6 Accidental Release Measures :

Personal precautions

Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions

Prevent product from entering drains.

Methods and materials for containment and cleaning up

Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7 Handling & Storage :

Handling

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapor or mist. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a ventilation, local exhaust if vapor or aerosol will be generated.

Storage

Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store locked up. Store away from incompatible materials such as oxidizing agents. Law is followed.

8 Exposure Control / Personal Protection :

Personal protective equipment

Respiratory protection

Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.

Hand protection

Handle with gloves. Impervious gloves.

Eye protection

Face shield and safety glasses

Hygiene measures

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

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9 Physical And Chemical Properties :

Appearance	: Liquid
Colour	: Yellow to reddish brown
Odour	: Characteristic aromatic odour
pH	: No data available
Boiling Point/range	: 216 °C – 228 °C
Melting point	: Not applicable
Flash Point	: 90-98 °C (194-208 °F) , c.c.
Auto ignition temperature	: 520-590 °C
Lower explosion limit	: 1 % (V)
Upper explosion limit	: 7 % (V)
Vapour Pressure	: Pa at 20 °C:4-130
Density	: 0.97-1.07 g/cm ³
Solubility water	: Slightly soluble, Soluble in : Alcohol Ether

10 Stability And Reactivity :

Storage stability:

Stable under recommended storage conditions. Stable under proper conditions.

Materials to avoid

Oxidizing agents, acids, hypochlorites.

Possibility of hazardous reactions

No special reactivity has been reported.

Condition to avoid

Incompatible materials. oxidizing agents, acids, hypochlorites.

Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO_x)

11 Toxicological Information :

Acute toxicity	: skn-rbt LD ₅₀ :1500 mg/kg ivn-cat LDLo:120 mg/kg ivn-rbt LDLo:240 mg/kg orl-rat LDLo:610 mg/kg
RTECS#	: ZE8575000
Category of danger	: Harmful by ingestion., Irritant
Potential Health Effect	Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation. Ingestion Harmful if swallowed.
Target Organs	: Blood, immune system (sensitizer), central nervous system

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Carcinogenicity: : Category 2
TLV: (Inhalable fraction) and (vapour) 0.5 ppm as TWA; (skin); A3 (confirmed animal carcinogen with unknown relevance to humans); BEI issued; (ACGIH 2006).
MAK: skin absorption (H); Carcinogen category: 3A; (DFG 2006).

12 Ecological Information :

Acute fish toxicity LC₅₀ : LC₅₀ - Leuciscus idus melanotus - 196 mg/l - 48 h

Acute toxicity to aquatic invertebrates EC₅₀ : EC₅₀ - Daphnia magna (Water flea) - 9.9 mg/l - 48 h.

Germany Water Classification : ID Number 2764, hazard class 3 - severe hazard to waters

13 Disposal Considerations :

Product

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

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

IMDG

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

Proper shipping name: XYLIDINES, LIQUID

IATA

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

Proper shipping name: Xylidines, liquid

15 Regulatory Information :

Safety Information according to GHS

Hazard Statement (s)

H301 Harmful if swallowed

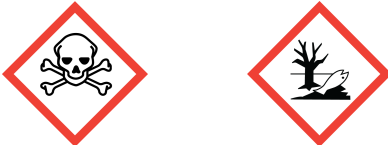
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H411 Toxic to aquatic life with long lasting effects

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Precautionary Statement (s)	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Signal Word	Danger
Hazard Pictogram(s):	
RTECS#	: ZE8575000
Labeling according to EC directives	
Hazard symbols	: Xn Harmful
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	: S28 : 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. S61 : Avoid open release to the environment

16 Other Information:

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.