

# Deepak Nitrite Limited

## Material Safety Data Sheet

## 2,6 Xylidine

### 1 Product And Company Identification :

Product Name : **2,6 Xylidine**  
 CAS No. : **87-62-7**  
 Supplier : Deepak Nitrite Ltd.  
 National Games Road, Opposite Golf Course,  
 Yerawada, Pune – 411 006. (India).  
 Tel No. : +91 – 20 – 56090200  
 Telefax : +91 – 20 – 26685448  
 E – mail : export@deepaknitrite.com  
 Emergency tel. No : +91 – 22 – 27411125

### 2 Composition / Information On Ingredients :

Hazardous components : Xylidine  
 Synonyms : 2,6 Xylidine  
 Chemical formula : C<sub>8</sub>H<sub>11</sub>N  
 Molecular weight : 121.18  
 CAS No. : 87-62-7  
 UN No. : 1711  
 EINECS No. : 201-758-7  
 Hazard symbols : XN N  
 Risk phrases : R –20/21/22/37/38/40/51/53  
 Safety phrases : S-23/25/36/37

### 3 Hazards Identification :

Emergency overview:

Combustible liquid and vapor. Causes respiratory tract irritation. May cause methemoglobinemia. Causes eye and skin irritation. May be harmful if swallowed

NFPA Rating : Health : 3, Flammability :2,Instability :0

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 ( bluish discoloration of skin due to efficient oxygenation of the blood)& it also causes irreversible effects & irritation of respiratory system.

### 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, 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 ingestion: Do not induce vomiting if the victim is unconscious & convulsing.

Otherwise give 1 or 2glass of water & immediately send to hospital

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### 5 Fire Fighting Measures :

Fire Extinguishing Media : Dry chemical powder, foam, water fog carbon dioxide or regular foam  
 Beware of formation of toxic fumes of Nitrogen oxides. Wear respiratory protection equipment. (SCBA) with protective clothing to prevent contact with skin & eyes  
 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. Absorb on sand or vermiculite & place in closed containers for disposal. Ventilate the area & wash spill site after material pick up is complete

### 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. Separate from acids, oxidizing materials and hypochlorite mixtures

### 8 Exposure Control / Personal Protection :

To reduce exposure, provide adequate local exhaust ventilation at work place. make use of chemical fume hood  
 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 or skin. Do not inhale vapours.

### 9 Physical And Chemical Properties :

Colour : Colorless to yellow –red  
 Odour : None reported

PH : NA  
 Boiling Point/range : 216 °C at760mm HG  
 Melting point : 10 -12 °C  
 Flash Point : 91 °C (195.8 °F)  
 Explosion properties : UEL 6.90 vol %, LEL 1.30 vol %  
 Density : NA  
 Solubility : Slightly soluble in water  
 Autoignition temp. : -  
 Specific gravity : 0.98 g/cm<sup>3</sup>  
 Physical state : Liquid

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### 10 Stability And Reactivity :

Chemically stable. Reacts with oxidising material.

Formation of nitrogen oxides, carbon monoxide and carbon dioxide in the event of fire.

Incompatibilities : Acids, acid chlorides, acid anhydride, oxidizing agent, chloroformates. halogens

Ignition sources, excess heat conditions to be avoided

Store away from heat & direct sunlight.

### 11 Toxicological Information :

Acute toxicity : Data not available.

Irritation of the eyes : Data not available.

Irritation of the skin : Data not available.

RTECS# : ZE8575000

Carcinogenicity : ACGIH : A3- Animal Carcinogen

Special properties : Absorption into the body leads to formation of methemoglobin, which can further cause cyanosis.

Toxicity data

Orl-mus : LD50:600mg/kg

Orl-rbt : LD50:1500mg/kg

### 12 Ecological Information :

Acute fish toxicity : Data not available

The product does not contain any organically bonded halogens, which can lead to AOX values in the waste water.

### 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 Liquid

Declaration for land shipment : As above

Declaration for sea shipment : As Above

Declaration for air shipment (IATA) :

Packing instruction, passenger :

Packing instruction

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### 15 Regulatory Information :

Symbols : Xn, N

Contains 2,6 Xylidine

R 20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.

R 37/38 Irritating to respiratory system and skin.

R 40 Limited evidence of a carcinogenic effect.

R 51/53 Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

S 23 Do not inhale gas/fumes/vapour/spray.

S 25 Avoid contact with eyes.

S 36/37 Wear suitable protective clothing and gloves.

S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

### 16 Other Information:

OEL-AUSTRALIA:TWA 2 ppm (10 mg/m<sup>3</sup>);Skin OEL-AUSTRIA:TWA 2 ppm (8 mg/m<sup>3</sup>);Skin OEL-BELGIUM:TWA 2 ppm (7.6 mg/m<sup>3</sup>);Skin OEL-CZECHOSLOVAKIA:TWA 5 mg/m<sup>3</sup>;STEL 20 mg/m<sup>3</sup> JAN9 OEL-DENMARK:TWA 1 ppm (4 mg/m<sup>3</sup>);Skin OEL-FINLAND:TWA 2 ppm (7.6 mg/m<sup>3</sup>);STEL 4 ppm (15 mg/m<sup>3</sup>);Skin;CAR OEL-FRANCE:TWA 2 ppm (10 mg/m<sup>3</sup>);Skin OEL-GERMANY:TWA 2 ppm (8 mg/m<sup>3</sup>);Skin;Carcinogen OEL-HUNGARY:TWA 5 mg/m<sup>3</sup>;STEL 10 mg/m<sup>3</sup>;Skin OEL-INDIA:TWA 0.2 mg/m<sup>3</sup>;Skin OEL-JAPAN:TWA 1 ppm (3.8 mg/m<sup>3</sup>);Skin OEL-THE NETHERLANDS:TWA 5 ppm (19 mg/m<sup>3</sup>);Skin OEL-THE PHILIPPINES:TWA 5 ppm (19 mg/m<sup>3</sup>);Skin OEL-POLAND:TWA 5 mg/m<sup>3</sup>;STEL 20 mg/m<sup>3</sup>;Skin OEL-RUSSIA:TWA 1 ppm;STEL 0.1 mg/m<sup>3</sup>;Skin OEL-SWEDEN:TWA 1 ppm (4 mg/m<sup>3</sup>);STEL 2 ppm (8 mg/m<sup>3</sup>);Skin OEL-SWITZERLAND:TWA 2 ppm (8 mg/m<sup>3</sup>);STEL 10 ppm (40 mg/m<sup>3</sup>);Skin OEL-TURKEY:TWA 5 ppm (19 mg/m<sup>3</sup>);Skin OEL-UNITED KINGDOM:TWA 2 ppm (10 mg/m<sup>3</sup>);STEL 5 ppm;Skin OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV CAS# 1300-73-8: OEL-ARAB Republic of Egypt:TWA 5 ppm (25 mg/m<sup>3</sup>);Skin OEL-AUSTRALIA:TWA 2 ppm (10 mg/m<sup>3</sup>);Skin OEL-BELGIUM:TWA 2 ppm (9.9 mg/m<sup>3</sup>);Skin OEL-CZECHOSLOVAKIA:TWA 5 mg/m<sup>3</sup>;STEL 20 mg/m<sup>3</sup> JAN9 OEL-DENMARK:TWA 2 ppm (10 mg/m<sup>3</sup>);Skin OEL-FINLAND:TWA 5 ppm (25 mg/m<sup>3</sup>);STEL 10 ppm (50 mg/m<sup>3</sup>);Skin OEL-FRANCE:TWA 2 ppm (10 mg/m<sup>3</sup>);Skin OEL-GERMANY:TWA 5 ppm (25 mg/m<sup>3</sup>);Skin OEL-HUNGARY:TWA 5 mg/m<sup>3</sup>;STEL 20 mg/m<sup>3</sup>;Skin OEL-THE NETHERLANDS:TWA 2 ppm (10 mg/m<sup>3</sup>);Skin OEL-THE PHILIPPINES:TWA 100 ppm (435 mg/m<sup>3</sup>);Skin OEL-RUSSIA:STEL 3 mg/m<sup>3</sup>;Skin OEL-SWITZERLAND:TWA 2 ppm (10 mg/m<sup>3</sup>);Skin OEL-TURKEY:TWA 5 ppm (25 mg/m<sup>3</sup>);Skin OEL-UNITED KINGDOM:TWA 2 ppm (10 mg/m<sup>3</sup>);STEL 10 ppm;Skin OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

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