

Deepak Nitrite Limited

Material Safety Data Sheet

2,6 –Dimethyl-1-nitrobenzene

1 Product And Company Identification :

Product Name : **2,6-Dimethyl-1-nitrobenzene**

CAS No. : **81-20-9**

Supplier

Deepak Nitrite Ltd.
Aaditya-I, National Highway No. 8, Chhani Road,
Vadodara - 390 024, India
Manufacturing facilities at :
Vadodara, Roha, Talaja & 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 : **2,6-Dimethyl-1-nitrobenzene**

Synonyms : 1,3-Dimethyl-2-nitrobenzene, 2-Nitro-m-xylene, 2,6-Nitro
Xylene

Chemical formula : $C_8H_9NO_2$

Molecular weight : 151.16

CAS No. : 81-20-9

UN No. : 1665

EINECS No. : 201-333-6

Hazard symbols : T

Risk phrases : R-23/24/25, 33

Safety phrases : S –28A, 37, 45

3 Hazards Identification :

Potential Health Effects: The toxicological properties of this material have not been fully investigated.

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

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.

5 Fire Fighting Measures :

Fire Extinguishing Media : Dry chemical powder, chemical foam.
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.
Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

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 or skin. Do not inhale vapours.

9 Physical And Chemical Properties :

Colour : Yellow liquid
Odour : Data not available
pH : Data not available
Boiling Point/range : 225 °C at 744mm Hg
Melting point : 14-16 °C
Flash Point : 87 °C (188.6 °F)
Explosion properties : Data not available
Density : 1.112 g/cm³
Solubility : Negligible

10 Stability And Reactivity :

Chemically stable. Reacts with oxidizing material. Incompatible with strong bases.
Formation of toxic fumes, nitrogen oxides, carbon monoxide in the event of fire.

11 Toxicological Information :

Acute toxicity : LD₅₀ – Data not available
RTECS# : CAS No. ;81-20-9 ; ZE4686000
Carcinogenicity : Not listed by ACGIH, IARC, NIOSH, NTP or OSHA. See

actual entry in RTECS for complete information.
Special properties : -

12 Ecological Information :

Aquatic Plants : Data not available

13 Disposal Considerations :

Examine possibilities for re-utilisation. Package product wastes. Close and label waste containers. Dispose of these 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. Observe all federal, state & local environmental regulations.

14 Transport Information :

UN No. : 1665 Hazard Class : 6.1 Packing Group : II
Proper shipping name : Nitroxylenes, Liquid
Declaration for land shipment : As above
Declaration for sea shipment : As above
Declaration for air shipment (IATA) : As above

15 Regulatory Information :

Symbols : T : Toxic
Contains : 2,6-Dimethyl-1-nitrobenzene
Risk Phrases:
R 23/24/25 : Toxic by inhalation, in contact with skin & if swallowed
R33 : Danger of cumulative effects
Safety Phrases :
S28A : After contact with skin, wash immediately with plenty of water
S-37 : Wear suitable gloves
S-45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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 judgement in determining its appropriateness for a particular purpose. The data does not signify any warranty with regard to the product's properties.