



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : D13229
Product Name : N,N-DIMETHYL ANILINE

Manufacturer / supplier identification

Company : NICE CHEMICALS PVT.LTD. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact for Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Dimethylaminobenzene

CAS-No : 121-69-7 EC-No. 204-493-5
Molar mass : 121.18 EC-Index No. 612-016-00-0
Molecular formula : C₈H₁₁N

3. HAZARDS IDENTIFICATION

Toxic by inhalation, in contact with skin and if swallowed. Possible risks of irreversible effects. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

After inhalation : Fresh air. Summon doctor if necessary.
After skin contact : wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with water with the eyelid held wide open.
Summon eye specialist if necessary.
After swallowing : make victim drink plenty of water. Induce vomiting.
Summon doctor.



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5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : CO₂, foam, powder. Contain escaping vapours with water.

Special risks : Combustible. Vapours heavier than air. Formation of hazardous combustion gases or vapours possible in event of fire. Formation of explosive mixtures possible with air. Take measures to prevent electrostatic charging.

Special protective equipment for fire fighting : Do not stay in dangerous zone without Suitable chemical protection clothing and self-contained breathing apparatus.

Other information : Prevent fire fighting water from entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures: Do not inhale vapours.

Environmental protection measures : Do not allow to enter sewerage system.

Procedures for cleaning/absorption : Take up with liquid absorbent material.

Forward for disposal. Clean up affected area..

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed in a well ventilated place, away from sources of ignition and heat. Accessible only for authorized persons. At +15⁰C to +25⁰C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when vapours/aerosols are generated.

Eye protection : required

Hand protection : required



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Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Immediately change contaminated clothing. Application of skin protective barrier cream recommended. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Colour : colourless
Odour : characteristic
PH value at 1 g/l H₂O (20⁰C) : ~ 7.4
Viscosity dynamic (30⁰C) : 1.20 mPa *s
Melting temperature : 2.45⁰C
Boiling temperature : 194.2⁰C
Ignition temperature : 370⁰C
Flash point : 61⁰C
Explosion limits Lower : 1.2 vol%
Upper : 7 vol%
Vapour pressure (20⁰C) : 0.53 hPa
Relative vapour density : Not available
Density (20⁰C) : 0.96 g/cm³
Solubility in water(20⁰C) : 1.2 g/l
Organic solvents (20⁰C) : soluble



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10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available
Substance to be avoided : Oxidising agent, acids, acid halides, anhydrides, halogens, nitrites, nitrous acid.
Hazardous decomposition products : In the event of fire: Nitrous gases.

Further information : Light sensitive, explosible with air in a vapours/ gases state when heated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral, rat): 1410 mg/kg, LD₅₀ (dermal, rabbit): 1770 mg/kg
LDL₀ (oral, human): 50 mg/kg.

Sub acute to chronic toxicity : Checks into the substance have so far not disclosed any investigations concerning possible teratogenic effects.

Further toxicological information :

After inhalation of dusts : irritation symptoms in the respiratory tract.
After skin contact : risk of absorption.
After eye contact : slight irritation symptoms.
After swallowing : absorption. The following applies to aromatic amines in general. Systemic effect: methaemoglobinemia with headache, cardiac dysrhythmia, drop in blood pressure, dyspnoea, and spasms, principal symptom: cyanosis.

12. ECOLOGICAL INFORMATION

Ecotoxic effect: : Slightly biodegradable. P.promelas LC₅₀ : 65.6 mg/l/96h
L.idus LC₅₀ : 10 mg/l Daphnia EC₅₀:5 mg/l/48h
Algae EC₅₀:340 mg/l/96h

Further ecological data : Do not allow to enter water, waste water, soil.



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13. DISPOSAL METHOD

Product

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC Member countries through that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE class : 6.1 Number and letter :12b

ADR/RID class : 6.1 Number and letter :12b

River transport ADN/ADNR : Not examined.

Sea transport IMDG

IMDG class : 6.1 UN No. 2253 Packaging group : II

Ems : 6.1-02 MFAG : 335

Correct technical name : N,N-DIMETHYLANILINE

Air transport ICAQ-TI and IATA-DGR

ICAQ/IATA class : 6.1 UN/ID No. : 2253 Packaging group : II

Correct technical name : N,N-DIMETHYLANILINE



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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic
N Dangerous for the environment.

R-phrases : 23/24/25-40-51/53
Toxic by inhalation, in contact with skin and if swallowed.
Possible risks of irreversible effects. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : 28-36/37-45-61
After contact with skin, wash immediately with plenty of Water. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately. Avoid release to the environment.

Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION

*The information contained here in is based on the present state of our knowledge.
It characterizes the product with regard to the appropriate safety precautions.
It does not represent a guarantee of the properties of the product.*
