



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 10629
Product Name : **ANILINE**

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Amino benzene; phenyl amine

CAS-No : 62-53-3
Ec-Index No. : 642-008-00-7
EC-No. : 200-539-3
Molecular Formula : C₆H₇N

3. HAZARDS IDENTIFICATION

Harmful by inhalation, in contact with skin and if swallowed. Possible risks of irreversible effects. Toxic : danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Very toxic to aquatic organisms.

4. FIRST AID MEASURES

After inhalation : fresh air. If necessary apply mouth to mouth resuscitation or mechanical ventilation. Summon doctor.
After skin contact: wash off with plenty of water .Remove contaminated clothing. Dab with polyethylene glycol 400.



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After eye contact: rinse out with plenty of water with eyelids held open.

consult an eye specialist

After swallowing: Make victim drink plenty of water. induce vomiting.

Summon doctor.

Laxative: sodium sulfate (1 table spoon/1/4 l water). Paraffin oil (3ml/Kg)

If breathing stops: immediately apply mechanical ventilation, if necessary oxygen mask. Immediately consult doctor.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : Water, foam, powder, CO₂

Special risks : combustible. Vapours heavier than air.

Formation of explosible mixtures possible with air.

The following may develop in the event of fire: nitrous gases.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning / absorption :

Take up with liquid absorbent material. Forward for disposal.

Clean up affected area.

Person – related precautionary measures : Do not inhale vapours/ aerosols

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

7. HANDLING AND STORAGE

Handling : Darkens upon storage, due to oxidation. This does not usually affect its use. Aniline can be distilled before use to give a colourless substance.



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Storage : Tightly closed Dry .In a well ventilated place .Keep away from sources of ignition and heat. At +15⁰ C to +25⁰ C. Accessible only for authorised persons.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when vapours/ aerosols are generated .

Eye protection : required

Hand protection : required

Industrial hygiene : Change contaminated clothing . Application of skin protective barrier cream recommended . Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Colourless
Odour	:	Amine like
PH value at 10 g/l H ₂ O (20 ⁰ C)	:	Near 8.8
Melting temperature	:	~6.2 ⁰ C
Boiling temperature	:	184 ⁰ C
Ignition temperature	:	540 ⁰ C
Flash point	:	76 ⁰ C
Explosion limits lower	:	1.2 Vol %
Upper	:	11 Vol %
Relative vapour density	:	Not available
Density (20 ⁰ C)	:	1.03 g/cm ³
Solubility in water (20 ⁰ C)	:	36 g/l
Ethanol (20 ⁰ C)	:	Freely soluble
Organic solvents	:	Miscible



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10. STABILITY AND REACTIVITY

Conditions to be avoided : Action of light (decomposition)

Substance to be avoided : oxidising agent(peroxy compounds, perchlorates, perchloric acid, nitric acid, oxygen), semi metallic halides, alkali metals, alkaline earth metals, acids, organic nitro compounds, benzene/ benzene derivatives.

Hazardous decomposition products : nitrous gases.

Further information: Light- sensitive, sensitive to air, solvent

Explosible with air in a vaporous/ gaseous state.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral, rat): 250 mg/Kg

Subacute to chronic toxicity: The carcinogenic potential requires further clarification.

The possibility of an embryo toxic effect has not yet been fully assessed.

Further toxicological information:

Skin irritation test (rabbit): No irritations.

Eye irritation test (rabbit): Irritations.

After inhalation of vapours: mucosal irritations. In high doses: headache, salivation, nausea, vomiting, dizziness, narcosis.

Cannot be excluded : coma

After skin contact: Irritations. Degreasing effect on the skin, possibly followed by secondary inflammation.

After eye contact: Irritations, Risk of corneal clouding.

After swallowing: gastrointestinal complaints, headache, salivation, nausea, vomiting, dizziness, narcosis, coma.



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Further data : The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Biologic degradation: Readily biodegradable.

Behaviour in environmental compartments: Distribution : log P (oct):- -0.91;

Evaluation number (FRG) (bacteria): 3.9; Evaluation number (FRG) (fish): 4.2 ; Evaluation number (FRG) (mammal): 3;

Ecotoxic effects: biologic effects

Toxic for aquatic organisms . Hazard for drinking water supplies.

Fish toxicity: L.idus LC₅₀ : 61 mg/l;

Further ecologic data: Do not allow to enter waters, waste waters, or soil !

13. DISPOSAL METHOD

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 corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .

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



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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

Name of material : ANILINE

River transport AND/ADNR: Not examined

Sea transport IMDG : IMDG class: 6.1 UN -No.: 1547 Packaging group: II

Ems : 6.1-02 MFAG: 335

Correct technical name: ANILINE

Air transport

ICAO-TI and IATA-DGR: ICAO/IATA class: 6.1 UN/ID-No.: 1547

Packaging group: Correct technical name: ANILINE

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic
N Dangerous for the environment.

R- Phrases : 20/21/22-40-48/23/24/25-50 Harmful by inhalation, in contact with skin and if swallowed. Possible risks of irreversible effects. Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Very toxic to aquatic organisms.

S-phrases : 28-36/37-45-61 After contact with skin, wash immediately with plenty of poly ethylene glycol 400 then rinse with plenty of water. Wear suitable protective clothing and gloves. In case of accident or if you feeling unwell, seek medical advice immediately. Avoid release to environment.

Water pollution class : 2 (polluting substance)



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16. OTHER INFORMATION

Reason for alteration

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