



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : D 10625
Product Name : DIPHENYLAMINE

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 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 4-Anilinobenzene sulfonic acid barium salt;

Barium Diphenyl amine sulfonate

CAS-No : 6211-24-1 Ec-Index No. : 056-002-00-7

Molar Mass : 633.90 EC-No. : 228-278-0

Molecular Formula : $C_{24}H_{20}BaN_2O_6S_2$

3. HAZARDS INDEX : Harmful by inhalation and if swallowed.

4. FIRST AID MEASURES

After inhalation : fresh air.

After skin contact : wash off with plenty of water. Remove contaminated clothing.

After eye contact : rinse out with plenty of water with the eyelid held wide open.

After swallowing: make victim drink plenty of water, induce vomiting, summon doctor.



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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water, CO₂ , foam powder

Special risks : Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

The following may develop in event of fire : nitrous gases, sulphur oxides.

6. ACCIDENTAL RELEASE MEASURES

Person - related precautionary measures : Avoid generation of dusts;do not inhale dusts.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area.

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

7. HANDLING AND STORAGE

Handling - No further requirements.

Storage - Tightly closed. Dry. At +15°C to +30°C

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : required when dusts are generated.

Eye Protection : required

Hand Protection : required

Industrial hygiene : Change contaminated clothing.

Wash hands and face after working with substance.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid
Colour : White to grey
Odour : Almost odourless
pH value at 10 g/l H₂O (20° C) : ~ 5.9 (slurry)
Melting temperature : Not available
Boiling temperature : Not available
Ignition temperature : Not available
Flash Point : Not available
Explosion limit lower : Not available
upper : Not available
Relative vapour density : Not available
Density : Not available
Bulk density : ~ 220 Kg/m³
Solubility in Water (20° C) : Almost insoluble

13. STABILITY AND REACTIVITY

Conditions to be avoided : Strong heating

Substances to be avoided : No information available.

Hazardous decomposition products : in the event of fire : nitrous gases, sulphur oxides



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity : Quantitative data on the toxicity of this product are not available.

Further toxicological information :

Hazardous properties cannot be excluded.

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

12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the toxicity of this product are not available.

Further ecologic data : The following applies to barium compounds; biological effects: fish : lethal as from 158 mg/lit.: Salmo lethal as from 158 mg/lit. (as BaCl); L.idus LC : 870 mg/lit.(as BaCl), barium ions toxic for aquatic organisms : algae : Sc.quadricauda toxic as from 34 mg/lit.; crustaceans: toxic as from 29 mg/lit.; hazard for drinking water ! Do not allow to enter waters, waste water, 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.



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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 : 60c

ADR/RID class : 6.1 Number and letter : 60c

Name of material : 1564 DIPHENYLAMINE-4-SULFONIC ACID
BARIUM SALT

Sea Transport IMDG : IMDG class : 6.1 UN No. : 1564 Packing group : III

Ems : 6.1-04 MFAG : 120

Correct Technical Name : DIPHENYLAMINE-4-SULFONIC ACID
BARIUM SALT

Air Transport ICAO-TI

and IATA-DGR : ICAO/IATA class : 6.1 UN No. : 1564

Packaging group III

Correct Technical Name : DIPHENYLAMINE-4-SULFONIC ACID
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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful

R-phrases : 20/22 Harmful by inhalation and if swallowed.



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S-phrases : 28 After contact with skin, wash immediately with plenty of water.

EC-No. : 228-278-0 EC label

Water pollution class : 2 (polluting substance) (own classification)

16. OTHER INFORMATION

Reason for alteration

Change in transport classification.

Addition of water pollution class.

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.
