



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 32029  
Product Name : Aniline hydrochloride

### 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

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 142-04-1  
Molar mass : 129.59  
EC-No. : 205-519-8  
Molecular Formula : C<sub>6</sub>H<sub>8</sub>ClN

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## 3. HAZARDS IDENTIFICATION

Harmful in contact with skin and if swallowed. Harmful by Inhalation. 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.

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## 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 eyelids held open. consult an eye specialist



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

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### 5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : Water, foam, powder, CO<sub>2</sub>

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

The following may develop in the event of fire: nitrous gases, phosgene, carbon monoxide.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without suitable chemical protective clothing and self contained breathing apparatus.

Other information:

Practically non combustible. Contains escaping vapours with water. Prevent fire fighting water from entering surface water or ground water.

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### 6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning / absorption :

Take up dry. Forward for disposal. Clean up affected area.

Person – related precautionary measures :

Avoid generation of dusts. Do not inhale dusts.

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

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### 7. HANDLING AND STORAGE

Handling : no further requirements.

Storage : Tightly closed Dry . Protected from light. At +15 °C to +25 °C.

In a well ventilated place accessible for authorised persons.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated .

Eye protection : required

Hand protection : required

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

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

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid  
Colour : white  
Odour : odourless  
PH value : not available  
At 50 g/l H<sub>2</sub>O (20<sup>0</sup> C )  
Melting temperature : 199-202<sup>0</sup> C  
Boiling temperature : 245<sup>0</sup> C  
Ignition temperature : 193<sup>0</sup> C  
Flash point : not available



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Explosion limits lower: not available  
Upper : not available  
Relative vapour density: Not available  
Density (20<sup>0</sup> C) : not available  
Solubility in  
water (20<sup>0</sup>C): 1070 g/l  
ethanol (20<sup>0</sup>C): freely soluble

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : strong heating  
Substance to be avoided : oxidising agents, alkali metals, acids.  
Hazardous decomposition products : in the event of fire: chlorine, hydrochloric acid, nitrous gases, phosgene, carbon monoxide.  
Further information: Light- sensitive, combustible, sensitive to air.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity LD<sub>50</sub>(oral, rat): 840 mg/Kg  
Subacute to chronic toxicity:  
The carcinogenic potential requires further clarification.  
Eye irritation test ( rabbit ): moderate irritant effect.  
Skin irritation test (rabbit) : moderate irritant effect.  
Further toxicological information:  
We have no description of any toxic symptoms.  
After inhalation of dusts: Irritation symptoms in the mucous membranes, coughing, and dyspnoea.  
  
After skin contact: Irritations.  
After eye contact: Irritations.



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After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastro intestinal tract, nausea, vomiting, damage to kidneys.

Properties which must be anticipated by analogy: danger of skin absorption. After absorption of large quantities: methaemoglobinaemia with headache, cardiac dysrhythmia, drop in blood pressure, dyspnoea, and spasms, principal symptoms: cyanosis (blue discoloration of blood)

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

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### 12. ECOLOGICAL INFORMATION

Behaviour in environmental compartments:

Evaluation number ( FRG)(Bacteria): 3.9

Evaluation number ( FRG)(fish): 4.2

Evaluation number ( FRG)(Bacteria): 3;

Ecotoxic effects: Biological effects: highly toxic for aquatic organisms. Hazard for drinking water supplies. Forms toxic mixtures in water, dilution measures notwithstanding. After reaction with water: toxic effect on fish and plankton.

Fish toxicity: *C. auratus* LC<sub>50</sub> : 5.5 mg/l/48h ;

Aquatic organisms LC<sub>50</sub> : 10 mg/l/96h ;

The literature data available to us do not conform with the labelling prescribed by the EC. The EC has dossiers which have not been published. Further ecologic data:

Do not allow to enter waters, waste waters, or 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 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 .

**Packaging :** 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 :

GVS/GGVE class : 6.1 Number and letter: 12c

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

Name of material : ANILINE HYDRO CHLOROIDE

River transport AND/ADNR: Not examined

Sea transport IMDG :

IMDG class:6.1 UN –No.:1548 Packaging group: III

Ems : 6.1-02 MFAG:335

Correct technical name: ANILINE HYDRO CHLOROIDE

Air transport

ICAO-TI and IATA-DGR:

ICAO/IATA class: 6.1 UN/ID-No.: 1548 Packaging group: III

Correct technical name: ANILINE HYDRO CHLOROIDE

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic  
N Dangerous to 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 : 28-36/37-45-60

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 feel unwell, seek medical advice immediately. Avoid release to the 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.

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