

Address: National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

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MATERIAL SAFETY DATA SHEET

Product Name	ANILINE HYDROCHLORIDE
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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ANILINE HYDROCHLORIDE

Product code : A0265

Identification of the product: ANILINE HYDROCHLORIDE

CAS No : 142-04-1

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use: Industrial. For professional use only.

1.3 Details of the supplier of the safety data sheet

Company identification: CYNOR

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2. Hazards identification -DSD

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 3 : H301

Acute toxicity (dermal), Category 3 :

H311Acute toxicity (inhal.), Category 3

:H331

Serious eye damage/eye irritation, Category 1 :H318

Skin sensitisation, Category 1 :H317

Germ cell mutagenicity, Category 2

:H341Carcinogenicity, Category 2 :H351

Specific target organ toxicity — Repeated exposure, Category 1 : H372 Hazardous to the aquatic environment — Acute Hazard, Category 1 :H400

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40

Muta.Cat.3;

R68T; R23

T; R24

T; R25

Xi; R41

R43

N; R50

R48

Adverse physicochemical, human health and environmental effects

No additional information available

2.2Label element

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Symbol(s) : T : Very toxic

N : Dangerous for the environment

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R Phrase(s) : R23/24/25: Toxic by Inhalation, in contact with skin and if swallowed.
 R40: Possible risk of very serious irreversible effects
 R41 : Risk of serious damage to eyes.
 R43 : May cause sensitization by skin contact.
 R48/23/24/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
 R68 : Possible risk of irreversible effects.
 R50 : Very toxic to aquatic organisms.

Hazard pictograms



Signal word : Danger

Hazard statements (CLP) : H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H341 - Suspected of causing genetic defects.

H351 - Suspected of causing cancer.

H372 - Causes damage to organs through prolonged or repeated exposure.

H400 - Very toxic to aquatic life.

Precautionary statements (CLP) :

Precautionary statements (CLP) : P261 - Avoid breathing vapours, dust, fume, gas.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P311 - Call a POISON CENTER/doctor

2.3 Other hazards

No additional information available

3. Composition/information on ingredients

Substance / Preparation: Aniline hydrochloride

CAS-No. : 142-04-1

Substance.

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash with plenty of water/....

Wash contaminated clothing before reuse. Get medical advice/attention. First-aid

measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. First-aid measures after ingestion : Rinse mouth. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects : Suspected of causing genetic defects. Causes damage to organs through prolonged or repeated exposure. Symptoms/effects after inhalation : Toxic if inhaled. Symptoms/effects after skin contact : Toxic in contact with skin. May cause an allergic skin reaction Symptoms/effects after eye contact : Causes serious eye damage. Symptoms/effects after ingestion : Toxic if swallowed. Chronic symptoms : Suspected carcinogen.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Specific hazards arising from the substance or mixture

No additional information available

5.3 Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For emergency responders:

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Ventilate area.

For non-emergency personnel:

Emergency procedure: Evacuate unnecessary personnel.

6.2 Environmental precautions

Very toxic to aquatic life.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

6.4 Reference to other sections

No additional information available

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

Specific end use (s): None.

8. Exposure controls/personal protection

8.1 Control parameter

No additional information available

8.2 Exposure control

Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Other information : Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 196 - 198 °C

Freezing point : No data available

Boiling point : 245 °C

Flash point : 194 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Flammable

Vapour pressure : No data available

Relative vapour density at 20 °C : 4.46

Relative density : No data available

Density : 1.222 g/cm³

Solubility : Water: Soluble in water

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2 Other information

No additional information available

10. Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

Direct sunlight. Air contact. Moisture

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity** : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.
- **Inhalation**: Toxic if inhaled.
- **Skin corrosion/irritation** : Not classified
- **Serious eye damage/irritation** : Causes serious eye damage.
- **Respiratory or skin sensitisation** : May cause an allergic skin reaction.
- **Germ cell mutagenicity** : Suspected of causing genetic defects.
- **Carcinogenicity** : Suspected of causing cancer.
- **Reproductive toxicity** : Not classified
- **STOT-single exposure** : Not classified
- **STOT-repeated exposure** : Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** : Not classified
- **Potential adverse human health effects and symptoms** : Toxic if swallowed. Toxic in contact with skin.

12. Ecological information

12.1 Toxicity

Ecology – water : Very toxic to aquatic life

12.2 Persistence – degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Ecology - waste materials : Hazardous waste due to toxicity.

14. Transport information

14.1 UN number

ADR/RID: 1548 IMDG: 1548 IATA: 1548

14.2 UN proper shipping name

ADR/RID: ANILINE HYDROCHLORIDEIMDG:

ANILINE HYDROCHLORIDE

IATA: Aniline hydrochloride

14.3 Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

14.4 Packaging group

ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

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