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MATERIAL SAFETY DATA SHEET

Product Name	ANILINE 99% EXTRA PURE
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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ANILINE LR

Product code : A0260

Identification of the product: ANILINE

CAS No : 62-53-3

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

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

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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]

Classification : Carc. Cat. 3; R40

Muta. Cat. 3; R68

T; R23/24/25-

R48/23/24/25Xi; R41

R43

N; R50

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Germ cell mutagenicity - Category 2 - Warning (CLP : Muta. 2) H341

Carcinogenicity - Category 2 - Warning (CLP : Carc. 2) H351

Specific Target Organ Toxicity - Repeated exposure - Category 1 - Danger (CLP : STOT RE 1) H372

Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311

Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331

Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318

Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301

Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1) H317

Environmental hazards : Hazardous to the aquatic environment - Acute hazard -Category 1 - Warning (CLP: Aquatic Acute 1) H400

2.2 Label element

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

Symbol(s) : T : Very toxic

N : Dangerous for the environment



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.

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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.

S Phrase(s) : S1/2 : Keep locked up and out of reach of children.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27 : Take off immediately all contaminated clothing.

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

S46 : If swallowed seek medical advice immediately and show this container or label.

S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

S63 : In case of accident by inhalation : remove casualty to fresh air and keep at rest.

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) :

• **General** : P102: Keep out of reach of children. P103: Read label before use.

P101: If medical advice is needed, have product container or label at hand.

P201: Obtain special instructions before use.

• **Prevention** : P280: Wear protective gloves, protective clothing, eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe dust, fume, gas, mist, vapours, spray.

P273: Avoid release to the environment.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

• **Response** : P301+P310: IF SWALLOWED : Immediately call a POISON CENTER or doctor.

P302+P352: IF ON SKIN : Wash with plenty of soap and water.

P308+P313: If exposed or concerned : get medical advice.

P391: Collect spillage.

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

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

P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

P333+P313: If skin irritation or rash occurs : Get medical advice.

P363: Wash contaminated clothing before reuse.

P314: Get medical advice if you feel unwell.

P361: Remove immediately all contaminated clothing.

• **Storage** : P403+P233: Store in well-ventilated place. Keep container tightly closed.

P405: Store locked up.

• **Disposal considerations** : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other hazards

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

Substance / Preparation: Aniline

CAS-No. : 62-53-3

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

Inhalation : Assure fresh air breathing. Allow the victim to rest. Remove to fresh air and keep at rest in a position comfortable for breathing. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.

Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Remove/Take off immediately all contaminated clothing. Get medical advice. If skin irritation or rash occurs : Wash with plenty of soap and water.

Eye contact : Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion : Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Suspected of causing cancer. Suspected of causing genetic defects. Causes damage to organs through prolonged or repeated exposure. Causes serious eye damage. Danger of serious damage to health by prolonged exposure through inhalation. May cause an allergic skin reaction. Swallowing a small quantity of this material will result in serious health hazard.

4.3 Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

5.1 Extinguishing media

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

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

Surrounding fires : Use water spray or fog for cooling exposed containers.

5.2 Specific hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

5.3 Advice for fire-fighters

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

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For emergency responders:

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area

For non-emergency personnel:

Emergency procedure: Evacuate unnecessary personnel.

6.2 Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

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. Collect spillage. Store away from other materials.

6.4 Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1 Precautions for safe handling

Handling : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Obtain special instructions before use. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

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

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C : Liquid.

Odour : Weakly amine

Odour threshold : No data available.

pH value : No data available.

Melting point [°C] : -6 °C

Decomposition point [°C] : N/A

Critical temperature [°C] : N/A

Auto-ignition temperature [°C] : 615⁰C

Flammability (solid, gas) : Flammable.

Flash point [°C] : 70 °C

Boiling point [°C] : 184 °C

Initial boiling point [°C] : N/A

Final boiling point [°C] : N/A

Evaporation rate : <1

Vapour pressure [20°C] : 0.49 hPa at 20 °C

Vapour pressure mm/Hg : N/A

Vapour density : 3,22

Density [g/cm³] : 1,022

Relative density, gas (air=1) : N/A

Relative density, liquid (water=1) : N/A

Solubility in water [% weight] : 3.5 gm in 100 gm wat

Solubility in water : N/A

Log Pow octanol / water at 20°C : No data available.

Solubility : 8,1

Viscosity at 40°C [mm²/s] : N/A

9.2 Other information

Explosive properties : N/A

Explosion limits - upper [%] : 23%

Explosion limits - lower [%] : 1,30%

Oxidising properties : No data 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. Extremely high or low temperatures.

10.5 Incompatible materials

Strong acid. Strong bases.

10.6 Hazardous decomposition products

Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

- **Inhalation** : Toxic if inhaled.
- **Dermal** : Toxic in contact with skin.
- **Ingestion** : Toxic if swallowed.

Corrosion : Causes serious eye damage.

Irritation : Based on available data, the classification criteria are not met.

Sensitization : May cause an allergic skin reaction.

Mutagenicity : Suspected of causing genetic defects.

Carcinogenicity : Suspected of causing cancer.

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Toxicity

Ecology – water : Very toxic to aquatic life

12.2 Persistence – degradability

Biodegradable

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

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6 Other adverse effects

Avoid release to the environment.

13. Disposal considerations

13.1 Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Special precautions : Hazardous waste due to toxicity.

14. Transport information

14.1 Land transport (ADR-RID)

Proper shipping name : ANILINE

UN N° : 1547

H.I. nr : 60

ADR - Class : 6.1

Labelling - Transport : 6.1 : Toxic substances.

LÉ

ADR - Classification code : T1

ADR - Group : II

ADR - Packing instructions : P001

ADR - Limited Quantity : 100 ML

ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.

14.2 Sea transport (IMDG) [English only]

Proper shipping name : ANILINE

UN N° : 1547

IMO-IMDG - Class or division : 6.1 : Toxic substances.

IMO-IMDG - Packing group : II

IMO-IMDG - Packing instructions : P001

IMO-IMDG - Limited quantities : 100 ml

IMO-IMDG - Marine pollution : Yes

EMS-Nr : F-A S-A

14.3 Air transport (ICAO-IATA) [English only]

Proper shipping name : ANILINE

UN N° : 1547

IATA - Class or division : 6.1 : Toxic substances.

IATA - Packing group : II

IATA - Passenger and Cargo Aircraft : ALLOWED

- **Passenger and Cargo - Packing :** 654 instruction

- **Passenger and Cargo - Maximum :** 5 L Quantity/Packing

IATA - Cargo only : ALLOWED

- **Cargo only - Packing instruction :** 662

- **Cargo only - Maximum Quantity/ :** 60 L Packing

IATA - Limited Quantities : 1 L

ERG-Nr : 6L

15. Regulatory information

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

Safety, health and environmental : Ensure all national/local regulations are observed.

regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2 Chemical safety assessment

Chemical Safety Assessment : It has not been 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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End of document

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