

MATERIAL SAFETY DATA SHEET (MSDS)

ANILINE LR

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : ANILINE LR

Product code : SS0100700500

Identification of the product : Aniline
CAS No :62-53-3
EC No :200-539-3
Annex No :612-008-00-7

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 : SUVCHEM
Chaitanya Tower, 2nd Floor, Office # 206,
Siddharth Nagar, S.V. Road,
Goregaon (West), Mumbai - 400062,
Maharashtra, India.
Contact: +91 22 28725393 / 94 / 95
Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Carc. Cat. 3; R40
Muta. Cat. 3; R68
T; R23/24/25-R48/23/24/25
Xi; 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

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2. Hazards identification -DSD (continued)

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

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s)

: T : Toxic
N : Dangerous for the environment

R Phrase(s)

: R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
R40 : Limited evidence of a carcinogenic effect.
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 risks of irreversible effects.
R50 : Very toxic to aquatic organisms.

S Phrase(s)

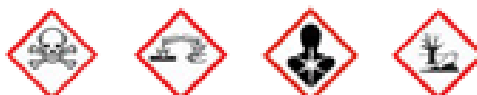
: S1/2 : Keep locked up and out of reach of children.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27 : Take off immediately all contaminated clothing.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case 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.

Contains

: Aniline

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



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2. Hazards identification -DSD (continued)

Signal words	: Danger
Hazard statements	: H318 : Causes serious eye damage. H301 : Toxic if swallowed. H311 : Toxic in contact with skin. H331 : Toxic if inhaled. H351 : Suspected of causing cancer. H341 : Suspected of causing genetic defects. H317 : May cause an allergic skin reaction. H372 : Causes damage to organs through prolonged or repeated exposure. H400 : Very toxic to aquatic life.
Precautionary statements	
• 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.
Contains	: Aniline

2.3. Other hazards

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.
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3. Composition/information on ingredients

Substance / Preparation : Aniline
CAS No :62-53-3
EC No :200-539-3
Annex No :612-008-00-7
Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Aniline	100 %	62-53-3	200-539-3	612-008-00-7	----	Carc. Cat. 3; R40 Muta. Cat. 3; R68 T; R23/24/25-48/23/24/25 Xi; R41 R43 N; R50 ----- Acute Tox. 3 (skin) _ H311 Acute Tox. 3 (inhal) _ H331 Acute Tox. 3 (oral) _ H301 Eye Dam 1 _ H318 STOT RE 1 _ H372 Carc. 2 _ H351 Muta. 2 _ H341 Skin Sens. 1 _ H317 Aquatic Acute 1 _ H400

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.

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ANILINE LR

4. First aid measures (continued)

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. Special 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 : Equip cleanup crew with proper protection.
 Ventilate area.
For non-emergency personnel : 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

Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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ANILINE LR
6. Accidental release measures (continued)
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. Exposure controls

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.

8.2. Control parameters

Occupational Exposure Limits : No data available.

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9. Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Colour	: Colorless, oily 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

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ANILINE LR
10. Stability and reactivity (continued)

Reactivity : Not established.

10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

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.

MATERIAL SAFETY DATA SHEET (MSDS)
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12. Ecological information
12.1. Toxicity

Toxicity information : Very toxic to aquatic life.

12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

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

Environmental precautions : 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

MATERIAL SAFETY DATA SHEET (MSDS)

ANILINE LR

14. Transport information (continued)

ADR - Class : 6.1
Labelling - Transport : 6.1 : Toxic substances.



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 instruction : 654
- Passenger and Cargo - Maximum Quantity/Packing : 5 L
IATA - Cargo only : ALLOWED
- Cargo only - Packing instruction : 662

MATERIAL SAFETY DATA SHEET (MSDS)

ANILINE LR

14. Transport information (continued)

- Cargo only - Maximum Quantity/ Packing	: 60 L
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 regulations/legislation specific for the substance or mixture	: Ensure all national/local regulations are observed.
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.
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16. Other information

Revision	: Revision - See : *
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
List of relevant R phrases (heading 3)	: R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R40 : Limited evidence of a carcinogenic effect. 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. R50 : Very toxic to aquatic organisms. R68 : Possible risks of irreversible effects.
List of full text of H-statements in section 3	: H301 : Toxic if swallowed. H311 : Toxic in contact with skin. H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage. H331 : Toxic if inhaled. 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.

MATERIAL SAFETY DATA SHEET (MSDS)

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16. Other information (continued)

Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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