

**MATERIAL SAFETY DATA SHEET (MSDS)****p-ANISIDINE (FOR SYNTHESIS)****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : p-ANISIDINE (FOR SYNTHESIS)

Product code : A0028200500

 Identification of the product : p-Anisidine  
 CAS No :104-94-9  
 EC No :203-254-2  
 Annex No :612-112-00-2
**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 : T+; R26/27/28  
 R33  
 N; R50
**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**
 Health hazards : Acute toxicity, Oral - Category 1 - Danger (CLP : Acute Tox. 1) H300  
 Acute toxicity, Inhalation - Category 2 - Danger (CLP : Acute Tox. 2) H330  
 Acute toxicity, dermal - Category 1 - Danger (CLP : Acute Tox. 1) H310

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

**2.2. Label elements**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**2. Hazards identification -DSD (continued)**
**Labelling EC 67/548 or EC 1999/45**
**Symbol(s)**

**Symbol(s)**

: T+ : Very toxic  
 N : Dangerous for the environment

**R Phrase(s)**

: R26/27/28 : Very toxic by inhalation, in contact with skin and if swallowed.  
 R33 : Danger of cumulative effects.  
 R50 : Very toxic to aquatic organisms.

**S Phrase(s)**

: S1/2 : Keep locked up and out of reach of children.  
 S28 : After contact with skin, wash immediately with  
 S36/37 : Wear suitable protective clothing and gloves.  
 S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).  
 S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

**Contains**

: p-Anisidine

**Labelling Regulation EC 1272/2008 (CLP)**
**Hazard pictograms**

**Signal words**

: Danger

**Hazard statements**

: H301 : Toxic if swallowed H310 : Fatal in contact with skin..  
 H373 : May cause damage to organs through prolonged or repeated exposure.  
 H330 : Fatal if inhaled. H350 : May cause cancer  
 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.

**• Prevention**

: P284: Wear respiratory protection.  
 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.  
 P201: Obtain special instructions before use.

**• Response**

: P301+P310: IF SWALLOWED : Immediately call a POISON CENTER or doctor.  
 P391: Collect spillage.  
 P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**2. Hazards identification -DSD (continued)**

- P302+P350: IF ON SKIN : Gently wash with plenty of soap and water.  
 P363: Wash contaminated clothing before reuse.  
 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.
- Contains** : p-Anisidine

**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.

**3. Composition/information on ingredients**

**Substance / Preparation** : p-Anisidine  
 CAS No :104-94-9  
 EC No :203-254-2  
 Annex No :612-112-00-2  
 Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
p-Anisidine	: 100 %	104-94-9	203-254-2	612-112-00-2	----	T+; R26/27/28 R33 N; R50  Acute Tox. 1 (skin) _ H310 Acute Tox. 2 (inhal) _ H330 Acute Tox. 1 (oral) _ H300 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. Immediately call a POISON CENTER or doctor. Specific treatment is urgent (see on this label). Remove to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Specific treatment (see on this label). Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse.
- Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- Ingestion** : Rinse mouth. Specific treatment (see on this label). Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**4. First aid measures (continued)**
**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms relating to use : Fatal if swallowed.  
 Fatal in contact with skin.  
 Fatal if inhaled.

**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.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**6. Accidental release measures (continued)**
**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.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

**Handling** : Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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** : Wear respiratory protection.
- **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.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state at 20 °C	: Solid.
Colour	: Dark brown
Odour	: N/A
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: 56 - 59 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: 122 °C
Boiling point [°C]	: 240 - 243 °C
Initial boiling point [°C]	: 240°C
Final boiling point [°C]	: 243 °C
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm3]	: N/A
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Soluble in water
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm2/s]	: N/A

**9.2. Other information**

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

**10. Stability and reactivity**
**10.1. Reactivity**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**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 : Fatal if inhaled.
- Dermal : Fatal in contact with skin.
- Ingestion : Fatal if swallowed.

**Corrosion**

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

**Irritation**

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

**Sensitization**

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

**Mutagenicity**

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

**Carcinogenicity**

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

**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**

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

**Aspiration hazard**

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



**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**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** : TOXIC SOLID, ORGANIC, N.O.S.

**UN N°** : 2811

**H.I. nr** : 60



**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**14. Transport information (continued)**

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



ADR - Classification code : T1  
 ADR - Group : III  
 ADR - Packing instructions : P001 R001 LP001  
 ADR - Limited Quantity : 5 L  
 ADR - Tunnel code



: E : Passage forbidden through tunnels of category E.

**14.2. Sea transport (IMDG) [English only]**

Proper shipping name : TOXIC SOLID, ORGANIC, N.O.S.  
 UN N° : 2811  
 IMO-IMDG - Class or division : 6.1 : Toxic substances.  
 IMO-IMDG - Packing group : III  
 IMO-IMDG - Packing instructions : P001 LP01  
 IMO-IMDG - Limited quantities : 5 k g  
 IMO-IMDG - Marine pollution : No  
 EMS-Nr : F-A S-A

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

Proper shipping name : TOXIC SOLID, ORGANIC, N.O.S.  
 UN N° : 2811  
 IATA - Class or division : 6.1 : Toxic substances.  
 IATA - Packing group : III  
 IATA - Passenger and Cargo Aircraft : ALLOWED  
   - Passenger and Cargo - Packing : 670  
   instruction  
   - Passenger and Cargo - Maximum: 100 kg  
 Quantity/Packing  
 IATA - Cargo only : ALLOWED  
 - Cargo only - Packing instruction : 677

**MATERIAL SAFETY DATA SHEET (MSDS)**
**p-ANISIDINE (FOR SYNTHESIS)**
**14. Transport information (continued)**

- Cargo only - Maximum Quantity/ : 200 kg  
 Packing  
 IATA - Limited Quantities : 10 k g  
 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**

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) : R26/27/28 : Very toxic by inhalation, in contact with skin and if swallowed.  
 R33 : Danger of cumulative effects.  
 R50 : Very toxic to aquatic organisms.  
 List of full text of H-statements in : H300 : Fatal if swallowed.  
 section 3 : H310 : Fatal in contact with skin.  
 H330 : Fatal if inhaled.  
 H400 : Very toxic to aquatic life.  
 Further information : None.

**MATERIAL SAFETY DATA SHEET (MSDS)**

**p-ANISIDINE (FOR SYNTHESIS)**

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.

**End of document**