

# MATERIAL SAFETY DATA SHEET (MSDS)

### **4-AMINO PHENOL**

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

1.1. Product identifier

Trade name : 4-AMINO PHENOL

Product code : A0021700500
Identification of the product : 4-aminophenol CAS No :123-30-8

EC No :204-616-2 Annex No :612-128-00-X

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 To

Company Identification 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 : Muta. Cat. 3; R68

Xn; R20/22 N; R50-53

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

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

Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302 Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332

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

: Aquatic Acute 1) H400

Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning (

CLP: Aquatic Chronic 1) H410



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### **4-AMINO PHENOL**

## 2. Hazards identification -DSD (continued)

#### 2.2. Label elements

## Labelling EC 67/548 or EC 1999/45

Symbol(s)





Symbol(s) : Xn : Harmful

N: Dangerous for the environment

R Phrase(s) : R20/22 : Harmful by inhalation and if swallowed.

R68: Possible risks of irreversible effects.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in

the aquatic environment.

**S Phrase(s)** : S2 : Keep out of the reach of children.

S28 : After contact with skin, wash immediately with S36/37 : Wear suitable protective clothing and gloves.

S60: This material and its container must be disposed of as hazardous waste. S61: Avoid release to the environment. Refer to special instructions/Safety data

sheets.

Contains : 4-aminophenol

## Labelling Regulation EC 1272/2008 (CLP)

**Hazard pictograms** 







Signal words : Warning

**Hazard statements** : H341 : Suspected of causing genetic defects.

H302 : Harmful if swallowed. H332 : Harmful if inhaled.

H410: Very toxic to aquatic life with long lasting effects.

**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 : P281: Use personal protective equipment as required.

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

P261: Avoid breathing 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.



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### **4-AMINO PHENOL**

## 2. Hazards identification -DSD (continued)

• Response : P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel

unwell.

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

P391: Collect spillage.

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

comfortable for breathing.

• Storage : 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 : 4-aminophenol

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 : 4-aminophenol

CAS No :123-30-8 EC No :204-616-2

Annex No :612-128-00-X

Substance.

**4-aminophenol** : 100 % 123-30-8 204-616-2 612-128-00-X ---- Muta. Cat. 3; R68 Xn; R20/22

Xn; R20/22 N; R50-53

Acute Tox. 4 (inhal) \_ H332 Acute Tox. 4 (oral) \_ H302 Muta. 2 \_ H341 Aquatic Acute 1 \_ H400 Aquatic Chronic 1 \_ H410

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. Call a POISON CENTER or doctor if

you feel unwell.

Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and

water, followed by warm water rinse.

**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or

redness persist.

Ingestion : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a

POISON CENTER or doctor if you feel unwell.



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### **4-AMINO PHENOL**

## 4. First aid measures (continued)

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms relating to use** : Danger of serious damage to health by prolonged exposure through inhalation.

Suspected of causing genetic defects.

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. 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.



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### **4-AMINO PHENOL**

## 6. Accidental release measures (continued)

#### 6.3. Methods and material for containment and cleaning up

Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust.

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 eat, drink or smoke when using this product. Wash thoroughly after

handling. Use personal protective equipment as required. Obtain special

instructions before use. Avoid breathing 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

closed when not in use.

**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

**Personal protection** : Avoid all unnecessary exposure.

• Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

• Hand protection : Wear protective gloves.

Eye protection
Others
: Chemical goggles or safety glasses.
: When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.



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### **4-AMINO PHENOL**

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Solid.

Colour : White to off white

Odour : N/A

**Odour threshold** : No data available. pH value : Not applicable. Melting point [°C] : 186 - 189 °C : 284 °C Decomposition point [°C] Critical temperature [°C] : N/A Auto-ignition temperature [°C] : N/A Flammability (solid, gas) : N/A : 188°C Flash point [°C] : N/A Boiling point [°C] : N/A Initial boiling point [°C] : N/A Final boiling point [°C]

Vapour pressure [20°C]: 0.075 mm Hg at 20 °CVapour pressure mm/Hg: 0.075 mm Hg at 20 °C

: 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] : 1.5 g/100 ml in wate

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

**Evaporation rate** 

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



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### **4-AMINO PHENOL**

## 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 : Harmful if inhaled.

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

• Ingestion : Harmful 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. 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.

### 12. Ecological information

#### **12.1. Toxicity**



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### **4-AMINO PHENOL**

## 12. Ecological information (continued)

**Toxicity information**: Very toxic to aquatic life with long lasting effects.

12.2. Persistence - degradability

**Persistence - degradability** : May cause long-term adverse effects in the environment.

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.

### 14. Transport information

#### 14.1. Land transport (ADR-RID)

Proper shipping name : AMINOPHENOLS (o-, m-, p-)

UN N° : 2512 H.I. nr : 60 ADR - Class : 6.1

**Labelling - Transport** : 6.1 : Toxic substances.



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### **4-AMINO PHENOL**

## 14. Transport information (continued)



ADR - Classification code : T2 T2

ADR - Group : III

ADR - Packing instructions : P002 R001 LP002

ADR - Limited Quantity : 5 KG

**ADR - Tunnel code** : E : Passage forbidden through tunnels of category E.



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

Proper shipping name : AMINOPHENOLS (o-, m-, p-)

UN N° : 2512

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

IMO-IMDG - Packing group : III

IMO- IMDG - Packing instructions : P002 LP02

IMO-IMDG - Limited quantities: 5 kgIMO-IMDG - Marine pollution: YesEMS-Nr: F-A S-A

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

Proper shipping name : AMINOPHENOLS (o-, m-, p-)

UN N° : 2512

IATA - Class or division : 6.1 : Toxic substances.

IATA - Packing group : |||

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 - Cargo only - Maximum Quantity/ : 200 kg

**Packing** 



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### **4-AMINO PHENOL**

## 14. Transport information (continued)

IATA - Limited Quantites : 10 kg 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** 

REACH Authorisation - Annex XIV

The components of this product are not subject to restrictions.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 - 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): R20/22: Harmful by inhalation and if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in

the aquatic environment.

R68 : Possible risks of irreversible effects.

List of full text of H-statements in

section 3

: H302 : Harmful if swallowed. H332 : Harmful if inhaled.

H341: Suspected of causing genetic defects.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Further information : None.



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## **4-AMINO PHENOL**

In accordance with REACH Regulation (CE) No 1907/2006 and with CLP Regulation (CE) No 1272/2008

## **DISCLAIMER:**

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- 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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