



MATERIAL SAFETY DATA SHEETS

27

Aminophenol-2

1. CHEMICAL IDENTITY

Chemical Name : Aminophenol-2

Chemical Classification: Toxic

Trade Name :

Synonyms: 2-Amino-1-Hydroxybenzene, 2-Hydroxyaniline, o-Aminophenol

Formula : C₆H₇NO

CAS No: 95-55-6

UN No: 2512

Regulated Identification

Shipping Name : 2-Aminophenol

Hazchem Code : 2X

Codes / Label : Class 6.1, Toxic

Hazardous Waste ID No : 13

HAZARDOUS INGREDIENTS	C.A.S. No.	HAZARDOUS INGREDIENTS	C.A.S. No.
1 Aminophenol-2	95-55-6	3	
2		4	

2. PHYSICAL / CHEMICAL DATA

Boiling Pt. °C:

Physical State: Solid

Appearance: Off-white crystals or beige powder.

Melting Pt °C: 170-174

Vapour Pressure @ 35°C mmHg:

Odour: Phenolic odour.

Vapour Density(Air =1):

Solubility in water at 30°C g/100ml: 2 g/100ml (20 °C)

Others: Soluble in ether, alcohol slightly soluble in benzene.

Specific Gravity (Water =1): 1.328 g/cm³ @ 25 °C

pH :

3. FIRE / EXPLOSION HAZARD DATA

Flammability : No

LEL:

Flash Point °C in OC:

TDG Flammability:

UEL:

Flash Point °C in CC:

Autoignition Temperature °C :

Explosion sensitivity to impact: Stable

Explosion sensitivity to static Electricity: Stable

Hazardous Combustion Products : Emits toxic fumes of NO_x.

Hazardous Polymerization : Will not occur

Combustible Liquid: No

Explosive Material: No

Corrosive Material NO

Flammable Material: No

Oxidiser : No

Others:

Pyrophoric Material: No

Organic Peroxide : No

4. REACTIVITY DATA

Chemical Stability : Stable

Incompatibility with other material : Strong oxidizing agents, acids, acid anhydrides, acid chlorides, chloroformates.

Reactivity : Reacts with oxidising materials.

Hazardous Reaction Products :

5. HEALTH HAZARD DATA

Routes of entry: Inhalation, Ingestion, Skin & Eyes.

Effects of Exposure / Symptoms:

Inhalation : Causes damage to mucous membrane and coughing. Ingestion membrane and convulsions. An irritant to skin and eyes.

Also causes irritation to mucous membrane and convulsions.

Emergency Treatment :

Inhalation: Remove the victim to fresh air area. If too much of coughing is observed and breathing is difficult, provide artificial respiration.

Skin: Remove contaminated clothes under water shower and wash the affected area thoroughly with water and soap.

Eyes: Irrigate with plenty of water for 15mins.

Ingestion: If no convulsions are observed give water or milk.

LD50 (oral-rat) mg/kg: 1300 mg/kg

STEL:

LC50 (rat) mg/kg:

Odour Threshold:

Permissible Exposure Limit:

TLV (ACGIH) :

NFPA Hazard	Health	Flammability	Reactivity	Special
Signals	2	1	2	

6. PREVENTIVE MEASURES

Personal Protective Equipment : Wear appropriate protective eyeglasses or chemical safety goggles.

Equipment : Wear appropriate protective gloves and clothing to prevent skin exposure. Wear appropriate protective clothing to minimize contact with skin.

Handling : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage : Store in a cool, dry well ventilated area. Protect from light and air by keeping the containers tightly closed.

Precautions : Avoid contact with Solid or dust.

7. EMERGENCY / FIRST AID MEASURES

FIRE:

Fire Extinguishing Media : Use water in flooding quantities as fog. Use foam, dry chemical, or carbon dioxide.

Special Procedure : Extinguish fire using agent suitable for type of surrounding fire.

Unusual Hazards : May produce poisonous gases in fire.

EXPOSURE: First Aid Measures:

Inhalation: Remove the victim to fresh air area. If too much of coughing is observed and breathing is difficult, provide artificial respiration.

Skin: Remove contaminated clothes under water shower and wash the affected area thoroughly with water and soap.

Eyes: Irrigate with plenty of water for 15mins.

Ingestion: If no convulsions are observed give water or milk.

Antidotes / Dosages:

SPILLS :

Steps To Be Taken : Sweep and collect without dust. Wash the area with water and soap.

Waste Disposal Method: Seal all wastes in vapour tight plastic bags for eventual disposal

8. ADDITIONAL INFORMATION / REFERENCES

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM :	Contact person
MAILING ADDRESS :	in Emergency :
TELEPHONE / TELEX NOS :	Local Bodies involved :
TELEGRAPHIC ADDRESS :	Standard Packing :
OTHERS :	Trem Card Details / Ref :

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